



# SHRIMATI INDIRA GANDHI COLLEGE

Nationally Accredited at 'A' Grade (3rd Cycle) by NAAC

Tiruchirappalli - 620 002

Department of Computer Science, IT and Computer Applications in  
association with Training & Placement Division

## JAVA FOUNDATIONS



**DATE : 12.10.2022 onwards**

**TIME : 3.00 p.m. to 4.00 p.m.**

**DURATION : 30 Days**

**MODE : Online**

**First Year UG students are invited to join**

## Java Foundations – Course Description

### Overview

This course of study engages students with little programming experience. Students are introduced to object-oriented concepts, terminology, and syntax, and the steps required to create basic Java programs using hands-on, engaging activities. Students will learn the concepts of Java programming, design object-oriented applications with Java and create Java programs using hands-on, engaging activities.

### Available Curriculum Languages:

- Arabic, Simplified Chinese, English, French, Indonesian, Japanese, Brazilian Portuguese, Russian, Spanish

### Duration

- Recommended total course time: 90 hours\*
- Professional education credit hours for educators who complete Oracle Academy training: 30

*\*Course time includes instruction, self-study/homework, practices, projects and assessment*

### Target Audiences

#### Educators

- Technical, vocational, and 2- and 4-year college and university faculty members who teach computer programming, information communications technology (ICT), or a related subject at a foundational level.
- Secondary and vocational school teachers who teach computer programming.

#### Students

- Students who wish learn Java programming and build their Object Oriented Programming experience using Java.
- This course is a suitable foundational class for computer science majors, and when taught in sequence with Java Programming may be used to prepare students for the AP Computer Science A exam.

### Prerequisites

#### Required

- Oracle Academy Workshop - Getting Started with Java Using Alice
- Oracle Academy Workshop - Creating Java Programs with Greenfoot

#### Suggested

- Oracle Academy Course – Java Fundamentals

### Suggested Next Courses

- Oracle Academy Course - Java Programming

## Lesson-by-Lesson Topics

### Introduction

- About the Course
- A Brief History
- Setting up Java

### Java Software Development

- The Software Development Process
- What is my Program Doing?
- Introduction to Object-Oriented Programming Concepts

### Java Data Types

- What is a Variable?
- Numeric Data
- Textual Data
- Converting Between Data Types
- Keyboard Input

### Java Methods and Library Classes

- What is a Method?
- The import Declaration and Packages
- The String Class
- The Random Class
- The Math Class

### Decision Statements

- Boolean Expressions and if/else Constructs
- Understanding Conditional Execution
- switch Statement

### Loop Constructs

- for Loops
- while and do-while Loops
- Using break and continue Statements

### Creating Classes

- Creating a Class?
- Instantiating Objects
- Constructors
- Overloading Methods
- Object Interaction and Encapsulation
- static Variables and Methods

### Arrays and Exceptions

- One-dimensional Arrays
- ArrayLists
- Exception Handling
- Debugging Concepts and Techniques

*N. Vijayalakshmi*  
**Ms. N. VIJAYALAKSHMI,**  
M.Sc.,M.Phil.,NET,SET,  
Head, Dept. of Computer Science,  
I.T. and Computer Applications,  
Shrimati Indira Gandhi College,  
Trichy-2.

## JavaFX

- Introduction to Java FX
- Colors and Shapes
- Graphics, Audio, and MouseEvents

## Final Project

- Developing a Java-based animation, application or game

**SHRIMATI INDIRA GANDHI COLLEGE****(Nationally Accredited at 'A' Grade(3rd Cycle) by NAAC****Department of Computer Science,IT & Applications****Tiruchirappalli -620 002**

<b>S.No</b>	<b>Value Added course name</b>	<b>PROGRAMME NAME</b>	<b>REGISTER NUMBER</b>	<b>STUDENT NAME</b>
1	JAVA FOUNDATION	Computer Applications	CB21S 260143	ABINAYA.S
2	JAVA FOUNDATION	Computer Applications	CB21S 260144	ABINAYA.V
3	JAVA FOUNDATION	Computer Applications	CB21S 260145	ABIRAMI.A
4	JAVA FOUNDATION	Computer Applications	CB21S 260146	AKSHAYA.B.V
5	JAVA FOUNDATION	Computer Applications	CB21S 260147	ARIVUNITHI.S
6	JAVA FOUNDATION	Computer Applications	CB21S 260148	AROCKIA JASMINE ABINAYA.E
7	JAVA FOUNDATION	Computer Applications	CB21S 260149	AROCKIA LIGIFEMINA.D
8	JAVA FOUNDATION	Computer Applications	CB21S 260150	ARTHI.S
9	JAVA FOUNDATION	Computer Applications	CB21S 260151	BAVADHARANI.S
10	JAVA FOUNDATION	Computer Applications	CB21S 260152	CAROLINE CHRYSOLITE.J
11	JAVA FOUNDATION	Computer Applications	CB21S 260153	DEEPIKA.S
12	JAVA FOUNDATION	Computer Applications	CB21S 260154	DHARANYA.M
13	JAVA FOUNDATION	Computer Applications	CB21S 260155	DHEENA.N
14	JAVA FOUNDATION	Computer Applications	CB21S 260156	DIVYA.R
15	JAVA FOUNDATION	Computer Applications	CB21S 260157	HARINI.S
16	JAVA FOUNDATION	Computer Applications	CB21S 260158	INDHUVARSHINI.
17	JAVA FOUNDATION	Computer Applications	CB21S 260159	JEEVITHA.P
18	JAVA FOUNDATION	Computer Applications	CB21S 260160	JOSHI
19	JAVA FOUNDATION	Computer Applications	CB21S 260162	JOTHIKA.S
20	JAVA FOUNDATION	Computer Applications	CB21S 260163	KABISIYA.J
21	JAVA FOUNDATION	Computer Applications	CB21S 260164	KAMATCHI.R
22	JAVA FOUNDATION	Computer Applications	CB21S 260165	KANISHKA.M
23	JAVA FOUNDATION	Computer Applications	CB21S 260166	KARTHIKA.S
24	JAVA FOUNDATION	Computer Applications	CB21S 260167	KAVITHA.S
25	JAVA FOUNDATION	Computer Applications	CB21S 260168	KAVIYA.T
26	JAVA FOUNDATION	Computer Applications	CB21S 260169	KEERTHANA.K
27	JAVA FOUNDATION	Computer Applications	CB21S 260170	KEERTHIKA.G
28	JAVA FOUNDATION	Computer Applications	CB21S 260171	LAVANYA.G
29	JAVA FOUNDATION	Computer Applications	CB21S 260172	MADHUSRI.R
30	JAVA FOUNDATION	Computer Applications	CB21S 260173	MALARVIZHI.M
31	JAVA FOUNDATION	Computer Applications	CB21S 260174	NANDHINI.K
32	JAVA FOUNDATION	Computer Applications	CB21S 260175	NANDHINI.A
33	JAVA FOUNDATION	Computer Applications	CB21S 260177	NAVYA.R
34	JAVA FOUNDATION	Computer Applications	CB21S 260178	PREETHI.S

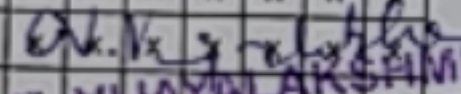
35	JAVA FOUNDATION	Computer Applications	CB21S 260179	PRIYADHARSHINI.S
36	JAVA FOUNDATION	Computer Applications	CB21S 260180	RAJASREE.N
37	JAVA FOUNDATION	Computer Applications	CB21S 260181	RAMYA.R
38	JAVA FOUNDATION	Computer Applications	CB21S 260182	RAMYA.S
39	JAVA FOUNDATION	Computer Applications	CB21S 260183	REEBIKA.P
40	JAVA FOUNDATION	Computer Applications	CB21S 260184	SARANYA.S
41	JAVA FOUNDATION	Computer Applications	CB21S 260185	SARASWATHI.A
42	JAVA FOUNDATION	Computer Applications	CB21S 260186	SARIKA.S
43	JAVA FOUNDATION	Computer Applications	CB21S 260188	SHALINI.V
44	JAVA FOUNDATION	Computer Applications	CB21S 260189	A.SINDHUJA
45	JAVA FOUNDATION	Computer Applications	CB21S 260190	B.SINDHUJA
46	JAVA FOUNDATION	Computer Applications	CB21S 260191	SIVASANGARI.R
47	JAVA FOUNDATION	Computer Applications	CB21S 260192	SNEEKA.R
48	JAVA FOUNDATION	Computer Applications	CB21S 260193	SOWMIYA.S
49	JAVA FOUNDATION	Computer Applications	CB21S 260194	KIRUTHIKA.S
50	JAVA FOUNDATION	Computer Applications	CB21S 260195	SUBALAKSHMI.T
51	JAVA FOUNDATION	Computer Applications	CB21S 260196	SUBHANU.A
52	JAVA FOUNDATION	Computer Applications	CB21S 260197	SUBITZA.M
53	JAVA FOUNDATION	Computer Applications	CB21S 260198	SWETHA.S
54	JAVA FOUNDATION	Computer Applications	CB21S 260199	THAILAMMAI.B
55	JAVA FOUNDATION	Computer Applications	CB21S 260200	THULASI.S
56	JAVA FOUNDATION	Computer Applications	CB21S 260201	UDHAYA.K
57	JAVA FOUNDATION	Computer Applications	CB21S 260203	UMAMAHESWARI.S
58	JAVA FOUNDATION	Computer Applications	CB21S 260205	VISHALI.R
59	JAVA FOUNDATION	Computer Applications	CB21S 260206	YOGASHRI.V
60	JAVA FOUNDATION	Information Technology	CB21S305905	ILLAKKIYA.K
61	JAVA FOUNDATION	Information Technology	CB21S305906	JANANI.B
62	JAVA FOUNDATION	Information Technology	CB21S305907	JAYABHARATHY.P
63	JAVA FOUNDATION	Information Technology	CB21S305908	JOSHINI.M
64	JAVA FOUNDATION	Information Technology	CB21S305909	KIRUTHIKA.M
65	JAVA FOUNDATION	Information Technology	CB21S305910	KRITHIKA.A
66	JAVA FOUNDATION	Information Technology	CB21S305911	LOSHINI.N
67	JAVA FOUNDATION	Information Technology	CB21S305912	NANDHANA.S
68	JAVA FOUNDATION	Information Technology	CB21S305913	POOJA SHREE.N
69	JAVA FOUNDATION	Information Technology	CB21S305914	PRATHIKSHA.V
70	JAVA FOUNDATION	Information Technology	CB21S305915	RESHMI.R
71	JAVA FOUNDATION	Information Technology	CB21S305916	REVATHI.A
72	JAVA FOUNDATION	Information Technology	CB21S305917	SONA.M.V
73	JAVA FOUNDATION	Information Technology	CB21S305918	SOWMIYA.R
74	JAVA FOUNDATION	Information Technology	CB21S305919	THIRISHA.A
75	JAVA FOUNDATION	Information Technology	CB21S305920	VAISHALI.S

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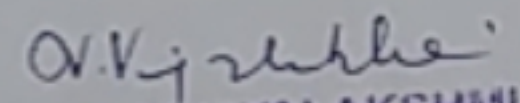
S.No	NAME	CLASS	COURSE	Ocotober 2022												November 2022																								
				16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14							
1	ABINAYA.S	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
2	ABINAYA.V	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
3	ABIRAMI.A	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
4	AKSHAYA.B.V	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
5	ARIVUNITHI.S	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
6	AROCKIA JASMINE ABINAYA.E	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
7	AROCKIA LIGIFEMINA.D	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
8	ARTHI.S	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
9	BAVADHARANI.S	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
10	CAROLINE CHRYSOLITE.J	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
11	DEEPIKA.S	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
12	DHARANYA.M	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
13	DHEENA.N	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
14	DIVYA.R	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
15	HARINI.S	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
16	INDHUVARSHINI.R	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
17	JEEVITHA.P	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
18	JOSHI EVANGELINE.S.X	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
19	JOTHIKA.S	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
20	KABISIYA.J	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
21	KAMATCHI.R	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
22	KANISHKA.M	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
23	KARTHIKA.S	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
24	KAVITHA.S	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
25	KAVIYA.T	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
26	KEERTHANA.K	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
27	KEERTHIKA.G	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
28	LAVANYA.G	I BCA	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x

  
 M.S. N. V. RAJAN, M.Sc., M.Phil., NET, S  
 Head, Dept. of Computer Science  
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63	JOSHINI.M	I B.SC II	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
64	KIRUTHIKA.M	I B.SC II	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
65	KRITHIKA.A	I B.SC II	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
66	LOSHINI.N	I B.SC II	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
67	NANDHANA.S	I B.SC II	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
68	POOJA SHREE.N	I B.SC II	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
69	PRATHIKSHA.V	I B.SC II	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
70	RESHMI.R	I B.SC II	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
71	REVATHI.A	I B.SC II	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
72	SONA.M.V	I B.SC II	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
73	SOWMIYA.R	I B.SC II	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
74	THIRISHA.A	I B.SC II	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
75	VAISHALI.S	I B.SC II	JAVA FOUNDATION	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x

  
**Ms. N. VIJAYALAKSHMI,**  
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**Head, Dept. of Computer Science,**  
**I.T. and Computer Applications,**  
**Shrimati Indira Gandhi College,**  
**Trichy-2.**



# AWARD of COURSE COMPLETION

Java Foundations

PRESENTED TO

**Harshitha S**

FOR SATISFACTORY COMPLETION OF ALL COURSEWORK

15th November 2022

A handwritten signature in black ink, appearing to read "W McCabe".

**William McCabe**  
Vice President, Oracle Academy



# AWARD of FINAL EXAM COMPLETION

Java Foundations

PRESENTED TO

Janani Priya N

FOR SATISFACTORY COMPLETION OF COURSE FINAL EXAM

14th November 2022

A handwritten signature in black ink, appearing to read "W McCabe".

William McCabe  
Vice President, Oracle Academy



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Tiruchirappalli - 620 002

Department of Computer Science, IT and Computer Applications in  
association with Training & Placement Division

## DATABASE FOUNDATIONS



DATE : 13.09.2022 onwards

TIME : 3.00 p.m. to 4.00 p.m.

DURATION : 30 Days

MODE : Online

**Second Year UG & Third Year B.Sc (IT) & First PG students are invited to join**

## Database Foundations – Course Description

### Overview

This course introduces students to basic relational database concepts. The course teaches students relational database terminology, as well as data modeling concepts, building Entity Relationship Diagrams (ERDs), and mapping ERDs. *Oracle SQL Developer Data Modeler* is utilized to build ERDs and The Structured Query Language (SQL) is used to interact with a relational database and manipulate data within the database. *Oracle Application Express* is utilized to provide practical, hands-on, engaging activities. Leveraging project-based learning techniques, students will create and work with projects which challenge them to design, implement, and demonstrate a database solution for a business or organization.

### Available Curriculum Languages:

- Arabic, Simplified Chinese, English, French, Indonesian, Japanese, Brazilian Portuguese, Russian, Spanish

### Duration

- Recommended total course time: 90 hours\*
- Professional education credit hours for educators who complete Oracle Academy training: 30

\*Course time includes instruction, self-study/homework, practices, projects and assessment

### Target Audiences

#### Educators

- Technical, vocational and 2- and 4- year college and university faculty members who teach computer science, information communications technology (ICT), data science, business or a related subject
- Secondary and vocational school teachers who teach computer science, ICT, or a related subject.

#### Students

- Students who wish to learn the techniques and tools to design, build and extract information from a database.
- Students who possess basic mathematical, logical, and analytical problem-solving skills.
- Novice programmers, as well as those at advanced levels, who prefer to start learning the basis for the SQL programming language at an introductory level.
- This foundational course is suitable for computer science majors and non-majors alike.

### Prerequisites

#### Required

- General knowledge of the purpose of a database

#### Suggested

- Previous experience with a database application

### Suggested Next Courses

- Database Design and Programming with SQL

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*N. Vijayalakshmi*

**Ms. N. VIJAYALAKSHMI,**  
M.Sc., M.Phil., NET, SET,  
Head, Dept. of Computer Science,  
I.T. and Computer Applications,  
Shrimati Indira Gandhi College,  
Trichy

## Lesson-by-Lesson Topics

### Introduction

- Introduction to the Course
- Introduction to Databases
- Types of Database Models
- Business Requirements

### Databases and Data Modeling

- Relational Databases
- Conceptual and Physical Data Models
- Entities and Attributes
- Unique Identifiers
- Relationships
- Entity Relationship Modeling (ERDs)

### Refining the Data Model

- More with Relationships
- Tracking Data Changes
- Normalization and Business Rules
- Data Modeling Terminology and Mapping

### Oracle SQL Developer Data Modeler

- Oracle SQL Developer Data Modeler
- Convert a Logical Model to a Relational Model

### Mapping to the Physical Model

- Mapping Entities and Attributes
- Mapping Primary and Foreign Keys

### Introduction to SQL

- Introduction to Oracle Application Express
- Structured Query Language (SQL)
- Data Definition Language (DDL)
- Data Manipulation Language (DML)
- Transaction Control Language (TCL)
- Retrieving Data Using SELECT
- Restricting Data Using WHERE
- Sorting Data Using ORDER BY
- Joining Tables Using JOIN

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**Shrimati Indira Gandhi**

# Database Design and Programming with SQL – Course Description

## Overview

This course engages students to analyze complex business scenarios and create a data model—a conceptual representation of an organization's information. Participants implement their database design by creating a physical database using SQL. Basic SQL syntax and the rules for constructing valid SQL statements are reviewed. This course culminates with a project that challenges students to design, implement, and demonstrate a database solution for a business or organization.

## Available Curriculum Languages:

- English, Simplified Chinese, Brazilian Portuguese, Spanish, Indonesian

## Duration

- Recommended total course time: 180 hours\*
- Professional education credit hours for educators who complete Oracle Academy training: 60

\* Course time includes instruction, self-study/homework, practices, projects, and assessment

## Target Audiences

### Educators

- College/university faculty who teach computer programming, information communications technology (ICT), or a related subject
- Secondary school teachers who teach computer programming, ICT, or a related subject

### Students

- Students who wish to learn the techniques and tools to design, build and extract information from a database
- Students who possess basic mathematical, logical, and analytical problem-solving skills
- Novice programmers, as well as those at advanced levels, to learning the SQL Programming language to an advanced level

## Prerequisites

### Required


- Ease with using a computer
- General knowledge of databases and query activity

### Suggested

- None

## Suggested Next Courses

- Database Programming with PL/SQL

  
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## Mapping

- Introduction to Relational Database Concepts
- Basic Mapping: The Transformation Process
- Relationship Mapping
- Subtype Mapping

## Creating Database Projects

- System Development Life Cycle
- Project Overview and Getting Started
- Presentation Project Management
- Final Presentation Components

## Presenting Database Projects

- Creating Tables for the Final Presentation
- Preparing Written Documentation
- Preparing Visual Materials
- Final Presentations

## Database Programming with SQL

### Introduction

- Oracle Application Express
- Relational Database Technology
- Anatomy of a SQL Statement

### SELECT and WHERE

- Columns, Characters, and Rows
- Limit Rows Selected
- Comparison Operators

### WHERE, ORDER BY, and Intro to Functions

- Logical Comparisons and Precedence Rules
- Sorting Rows
- Introduction to Functions

### Single Row Functions Part I

- Case and Character Manipulation
- Number Functions
- Date Functions

### Single Row Functions Part II

- Conversion Functions
- NULL Functions
- Conditional Expressions

### JOINS

- Cross Joins and Natural Joins
- Join Clauses
- Inner versus Outer Joins
- Self-Joins and Hierarchical Queries
- Oracle Equijoin and Cartesian Product
- Oracle Nonequijoins and Outer Joins

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## Group Functions

- Group Functions
- Oracle Nonequi Joins and Outer Joins
- Using Group By and Having Clauses
- Using Rollup and Cube Operations, and Grouping Sets
- Using Set Operators

## Subqueries

- Fundamentals of Subqueries
- Single-Row Subqueries
- Multiple-Row Subqueries
- Correlated Subqueries

## Ensuring Quality Queries Part I

- Ensuring Quality Query Results

## DML

- INSERT Statements
- Updating Column Values and Deleting Rows
- DEFAULT Values, MERGE, and Multi-Table Inserts

## DDL

- Creating Tables
- Using Data Types
- Modifying a Table

## Constraints

- Intro to Constraints: NOT NULL and UNIQUE Constraints
- PRIMARY KEY, FOREIGN KEY, and CHECK Constraints
- Managing Constraints

## Views

- Creating Views
- DML Operations and Views
- Managing Views

## Sequences and Synonyms

- Working With Sequences
- Indexes and Synonyms

## Privileges and Regular Expressions

- Controlling User Access
- Creating and Revoking Object Privileges
- Regular Expressions

## TCL

- Database Transactions

## Final Project and Exam Review

- Testing
- Final Project Database Creation
- Final Exam Review

## Ensuring Quality Queries Part II

- Ensuring Quality Query Results - Advanced Techniques

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# SHRIMATI INDIRA GANDHI COLLEGE

(Nationally Accredited at 'A' Grade(3rd Cycle) by NAAC

Department of Computer Science,IT & Applications

Tiruchirappalli -620 002

S.No	Value Added Course Name	Programme Name	Register Number	Student Name
1	DATABASE	II B.Sc IT	CB20S 305313	AKILA SIVAGAMI.P
2	DATABASE	II B.Sc IT	CB20S 305314	ARIFA.A
3	DATABASE	II B.Sc IT	CB20S 305315	INDHUMATHI G.J
4	DATABASE	II B.Sc IT	CB20S 305316	JAYASURYA.S
5	DATABASE	II B.Sc IT	CB20S 305317	KAVIBALA.A
6	DATABASE	II B.Sc IT	CB20S 305318	MAHAJOTHI.S
7	DATABASE	II B.Sc IT	CB20S 305319	PREETHA.P
8	DATABASE	II B.Sc IT	CB20S 305320	PRIYADHARSHINI.B
9	DATABASE	II B.Sc IT	CB20S 305321	PRIYANKA.B
10	DATABASE	II B.Sc IT	CB20S 305322	RAHIYANATH.T
11	DATABASE	II B.Sc IT	CB20S 305323	RAJA SHREE.G
12	DATABASE	II B.Sc IT	CB20S 305324	RIBHADHARSHINI.B
13	DATABASE	II B.Sc IT	CB20S 305325	SOBIYA BANU.S
14	DATABASE	II B.Sc IT	CB20S 305326	SUBASHRI.S
15	DATABASE	II B.Sc IT	CB20S 305327	VISHNUPRIYA.R
16	DATABASE	I M.Sc IT	P 21491050	ABIRAMI.M
17	DATABASE	I M.Sc IT	P 21491051	ANUSUYA.R
18	DATABASE	I M.Sc IT	P 21491052	INDHUPRIYA.S
19	DATABASE	I M.Sc IT	P 21491053	KIRUTHIGA.R
20	DATABASE	I M.Sc IT	P 21491054	MAANISHA.P
21	DATABASE	I M.Sc IT	P 21491055	MADHU MEETHA.K
22	DATABASE	I M.Sc IT	P 21491056	NANDHINI.G
23	DATABASE	I M.Sc IT	P 21491057	RAJESHWARI.R
24	DATABASE	I M.Sc IT	P 21491058	SANDHIYA.J
25	DATABASE	I M.Sc IT	P 21491059	SHARUMATHI.R
26	DATABASE	I M.Sc IT	P 21491060	SNEHA.H

27	DATABASE	I M.Sc IT	P 21491061	SNEHA.V
28	DATABASE	I M.Sc IT	P 21491062	VARSHA.N
29	DATABASE	I M.Sc IT	P 21491063	VAISHANAVI.S
30	DATABASE	I M.Sc IT	P 21491064	ARUL JAYA PRIYA.A
31	DATABASE	I M.Sc CS	P 21271054	BAVADHARANI.B
32	DATABASE	I M.Sc CS	P 21271055	APARNA.D
33	DATABASE	I M.Sc CS	P 21271056	SUBALAKSHMI.B
34	DATABASE	I M.Sc CS	P 21271057	SINDHU.D
35	DATABASE	I M.Sc CS	P 21271058	SOPHIYA.D
36	DATABASE	I M.Sc CS	P 21271059	BRINDHA.E
37	DATABASE	I M.Sc CS	P 21271060	POORINMA.G
38	DATABASE	I M.Sc CS	P 21271061	ABARNA.K
39	DATABASE	I M.Sc CS	P 21271062	ISHWARYA.K
40	DATABASE	I M.Sc CS	P 21271064	KANISHKA.K
41	DATABASE	I M.Sc CS	P 21271065	MADHUMITHA.K
42	DATABASE	I M.Sc CS	P 21271066	KAVYA.N
43	DATABASE	I M.Sc CS	P 21271067	NIVETHA PRIYA.N
44	DATABASE	I M.Sc CS	P 21271068	AKSHIYA.R
45	DATABASE	I M.Sc CS	P 21271069	HARINI.R
46	DATABASE	I M.Sc CS	P 21271070	JAYASREE.R.K
47	DATABASE	I M.Sc CS	P 21271071	SUSMITHA.R
48	DATABASE	I M.Sc CS	P 21271072	LOGESHWARI.L
49	DATABASE	I M.Sc CS	P 21271073	PRIYADHARSINI.S
50	DATABASE	I M.Sc CS	P 21271074	YOGESWARI.S
51	DATABASE	I M.Sc CS	P 21271075	MAHALAKSHMI.V
52	DATABASE	I M.Sc CS	P 21271076	MANI BHARATHI.N
53	DATABASE	I M.Sc CS	P 21271077	PRAMMASRI.R
54	DATABASE	I M.Sc CS	P 21271078	ARCHANA.S
55	DATABASE	I M.Sc CS	P 21271079	ABARNA.K
1	DATABASE	II B.SC CS	CB20S 198431	ANANTHAVALLI.A
2	DATABASE	II B.SC CS	CB20S 198432	ANANTHI.A
3	DATABASE	II B.SC CS	CB20S 198433	ANITHA.S
4	DATABASE	II B.SC CS	CB20S 198434	BHUVANESWARI.B

5	DATABASE	II B.SC CS	CB20S 198435	DURGA.S
6	DATABASE	II B.SC CS	CB20S 198436	CELCY PRISEBA.C
7	DATABASE	II B.SC CS	CB20S 198437	DEEBASHIKA.P
8	DATABASE	II B.SC CS	CB20S 198438	DEVISRI.P
9	DATABASE	II B.SC CS	CB20S 198439	DHANA PRIYA.S
10	DATABASE	II B.SC CS	CB20S 198440	DHIVYASHREE.S
11	DATABASE	II B.SC CS	CB20S 198441	FARGHANA.A
12	DATABASE	II B.SC CS	CB20S 198442	HARINI.D
13	DATABASE	II B.SC CS	CB20S 198443	HARINI.G
14	DATABASE	II B.SC CS	CB20S 198444	HARINI SRI.K
15	DATABASE	II B.SC CS	CB20S 198445	HEMA NANDHINI.S
16	DATABASE	II B.SC CS	CB20S 198446	ISWARYA.V
17	DATABASE	II B.SC CS	CB20S 198447	JASMIN.J
18	DATABASE	II B.SC CS	CB20S 198448	JERLIN.A
19	DATABASE	II B.SC CS	CB20S 198449	KANIMOZHI.R
20	DATABASE	II B.SC CS	CB20S 198450	KAVIYA.B
21	DATABASE	II B.SC CS	CB20S 198451	PAVITHRA.S
22	DATABASE	II B.SC CS	CB20S 198452	PRIYANGA.D
23	DATABASE	II B.SC CS	CB20S 198453	ROSHINI.C
24	DATABASE	II B.SC CS	CB20S 198454	ROSHNI.R
25	DATABASE	II B.SC CS	CB20S 198455	SANGEETHA.S
26	DATABASE	II B.SC CS	CB20S 198456	SASIKALA.M
27	DATABASE	II B.SC CS	CB20S 198457	SENTHURADEVI.S
28	DATABASE	II B.SC CS	CB20S 198458	SHANJANA.S
29	DATABASE	II B.SC CS	CB20S 198459	SHARIN.N
30	DATABASE	II B.SC CS	CB20S 198460	SNEGA.G
31	DATABASE	II B.SC CS	CB20S 198461	SRIMATHI.S
32	DATABASE	II B.SC CS	CB20S 198462	SRINATHI.B
33	DATABASE	II B.SC CS	CB20S 198463	SUBASHINI.R
34	DATABASE	II B.SC CS	CB20S 198464	SUVETHA.C
35	DATABASE	II B.SC CS	CB20S 198465	URESHNA THIRUKKOVAI.A
36	DATABASE	II B.SC CS	CB20S 198466	VANITHA.R
37	DATABASE	II B.SC CS	CB20S 198467	VIDHYASHREE.R

38	DATABASE	II B.SC CS	CB20S 198468	VINO.U
39	DATABASE	II B.SC CS	CB20S 198469	ASHMITHA.B
40	DATABASE	II B.SC CS	CB20S 198470	KUNGUMA BRINDHA S
41	DATABASE	II B.SC CS	CB20S 198471	LATHA MALINI.P
42	DATABASE	II B.SC CS	CB20S 198472	MADHUBALA S
43	DATABASE	II B.SC CS	CB20S 198473	MALLIKA A
44	DATABASE	II B.SC CS	CB20S 198474	MANGALA GOWRI G
45	DATABASE	II B.SC CS	CB20S 198475	MONISHA G
46	DATABASE	II B.SC CS	CB20S 198476	NAGARANI R
47	DATABASE	II B.SC CS	CB20S 198477	NANDHINI A
48	DATABASE	II B.SC CS	CB20S 198478	NAVANEETHA T
49	DATABASE	II B.SC CS	CB20S 198479	NIVETHA K
50	DATABASE	II B.SC CS	CB20S 198480	PATHMA M
51	DATABASE	II B.SC CS	CB20S 198481	RAMALAKSHMI P
52	DATABASE	II B.SC CS	CB20S 198482	GAYATHRI RASHIKA B
53	DATABASE	II B.SC CS	CB20S 198483	HARSHINI K
54	DATABASE	II B.SC CS	CB20S 198484	LISHA DEVI S
55	DATABASE	II B.SC CS	CB20S 198485	MOHANA PRIYA M
56	DATABASE	II B.SC CS	CB20S 198486	NAGADHARSHINI K
57	DATABASE	II B.SC CS	CB20S 198487	NANDHINI R
58	DATABASE	II B.SC CS	CB20S 198488	NASREEN BANU M
59	DATABASE	II B.SC CS	CB20S 198489	PANDIMEENA M
60	DATABASE	II B.SC CS	CB20S 198490	PRAVEENA M
61	DATABASE	II B.SC CS	CB20S 198491	PRIYA J
62	DATABASE	II B.SC CS	CB20S 198492	PRIYADHARSHINI S
63	DATABASE	II B.SC CS	CB20S 198493	SAGAYA REEJO RANI T
64	DATABASE	II B.SC CS	CB20S 198494	SHANMUGAPRIYA S
65	DATABASE	II B.SC CS	CB20S 198495	SIVA SAKTHI S
66	DATABASE	II B.SC CS	CB20S 198496	BALASUGUNA.S.K.
67	DATABASE	II B.SC CS	CB20S 198497	SWATHI S
68	DATABASE	II B.SC CS	CB20S 198498	VINOTHIYA M
69	DATABASE	II B.SC CS	CB20S 198499	DHEVADHARSHINI. D











67	SWATHI S	II B.SC CS	Database	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
68	VINOTHIYA M	II B.SC CS	Database	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
69	DHEVADHARSHINI. D	II B.SC CS	Database	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	

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**Trichy-2.**



# AWARD of FINAL EXAM COMPLETION

Database Foundations

PRESENTED TO

Mahima. D.V.S

FOR SATISFACTORY COMPLETION OF COURSE FINAL EXAM

15th December 2021

A handwritten signature in black ink that reads "Elizabeth Snyder". The signature is stylized and cursive.

Elizabeth Snyder  
Vice President, Oracle Academy



# AWARD of FINAL EXAM COMPLETION

Database Foundations

PRESENTED TO

Aarthi B

FOR SATISFACTORY COMPLETION OF COURSE FINAL EXAM

22nd September 2022

A handwritten signature in black ink that reads "Elizabeth Snyder". The signature is written in a cursive, flowing style.

Elizabeth Snyder  
Vice President, Oracle Academy



# SHRIMATI INDIRA GANDHI COLLEGE

Nationally Accredited at 'A' Grade (3rd Cycle) by NAAC

Tiruchirappalli - 620 002

Department of Computer Science, IT and Computer Applications in  
association with Training & Placement Division

## ORACLE CLOUD INFRASTRUCTURE FOUNDATIONS



DATE : 30.11.2021 onwards

TIME : 3.00 p.m. to 4.00 p.m.

DURATION : 30 Days

MODE : Online

Second Year B.Sc (CS) & Third Year BCA & Second Year PG students are invited to join

## ORACLE ACADEMY – CLOUD COMPUTING SYLLABUS

Oracle Cloud Infrastructure Foundations I Course Map  
Oracle Cloud Infrastructure Foundations I Course Objectives  
Technical Requirements for Curriculum

### **1 Oracle Cloud Infra Structure Introduction**

1-1: Getting Started with Oracle Cloud Infra Structure Video

### **2 Course Infrastructure Virtual Cloud Network**

2-1: Virtual Cloud Network

2-2: CIDR

2-3: Introduction to OCI VCN Service

2-4: IP Addresses in VCN

2-5: Routing and Gateways

2-6: Web Server with Access to the Internet

2-7: Demo - NAT Gateway

2-8: Peering

2-9: Security Lists and Network Security Groups

2-10: DNS in VCN

### **3 Core Infrastructure – Connectivity**

3-1: Connectivity

3-2: Introduction to OCI VPN Connect

3-3: VPN Connect Demo

### **4. Core Infrastructure – Compute**

4.1: Introduction to OCI Compute Service

4.2: Demo of OCI Compute Service

4.3: Custom Images

4.4: Boot Volumes

4.5: Instance Configuration, Pools and Autoscaling

4.6: Instance Metadata and Lifecycle

### **5. Core Infrastructure – Block Volumes**

5.1: Introduction to OCI Local NVMe Storage

5.2: Introduction to OCI Block Volume Service

5.3: Backup and Restoration

5.4: Clone and Volume Groups

5.5: Boot Volumes

### **6. Core Infrastructure - File Storage**

6.1: Introduction to OCI File Storage Service

6.2: File Storage Service Security

6.3: File Storage Service Snapshots

### **7. Core Infrastructure – Object Storage**

7.1: Introduction to OCI Object Storage

7.2: OCI Object Storage Service

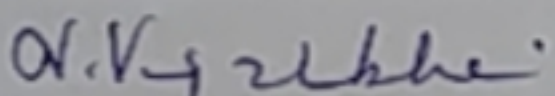
7.3: Object Storage Service Capabilities

### **8. Core Infrastructure – Load Balancing**

8.1: Introduction to OCI Load Balancing Storage

8.2: OCI Load Balancing Service

8.3: Private Load Balancer

  
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Tirichur

## **9. Core Infrastructure – Data Migration**

9.1: Part 1 - Planning your Data Migration to OCI

9.2: Part 2 - Offline Transport - Data Transfer Service

9.3: Part 3 - Online Transport - Storage Gateway

## **10. Database**

10.1 Introduction to OCI Database Service

10.2 Lifecycle Management for OCI DB Systems

10.3 Provisioning a VM DB system in OCI

10.4 Restoring a Database in OCI from the Latest Database

## **11. Database – Autonomous Database**

11.1: Lifecycle Management for Autonomous Database

11.2: Provisioning an Autonomous Data Warehouse (ADW)

11.3: Restore an Autonomous Data Warehouse (ADW) from a Backup

11.4: Connecting to ADW using SQL Developer

## **12. Database – Database Safe**

12.1 Introduction to Data Safe

## **13. Solutions, Platforms and Edge -DNS.**

13.1: DNS Zone Management – Part 1

13.2: DNS Zone Management - Part 2

## **14. Solutions, Platforms and Edge -Traffic Management Policies**

14.1: DNS Traffic Management Steering Policies - Part 1

14.2: DNS Traffic Management Steering Policies - Part 2 - Failover Policy

14.3: DNS Traffic Management Steering Policies - Part 3 - Failover Policy

## **15. Solutions, Platforms and Edge -Web Application Firewall**

15.1 Web Application Firewall

15.2 Concepts and Use Cases

15.3 Architecture and Benefits

## **16. Solutions, Platforms and Edge – Resource Manager**

16.1 Resource Manager

## **17. Solutions, Platforms and Edge – Streaming**

17.1 Streaming Service - Concepts and Use

## **18. Solutions, Platforms and Edge – Monitoring**

18.1 Monitoring

## **19. Solutions, Platforms and Edge – Oracle Functions**

19.1 Overview and Core Concepts

19.2 Core Concepts

19.3 Use Cases, Reference Architectures

## **20. Solutions, Platforms and Edge – Events**

20.1 Overview and Key Features

20.2 Core Concepts

20.3 Use Cases, Reference Architectures

## **21. Solutions, Platforms and Edge – Registry**

21.1 Overview

21.2 Managing Repos

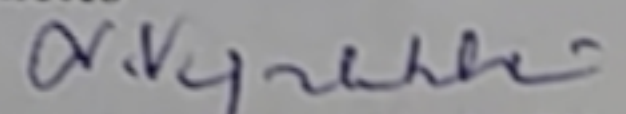
21.3 Pulling Images from Registry

21.4 Image Retention Policies

## **22. Solutions, Platforms and Edge - Oracle Container Engine for Kubernetes**

22.1 OKE Overview

22.2 OKE Cluster Demo



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- 22.3 Accessing OKE Cluster Using Kubectl
- 23. Governance and Administration-Identity Access Management**
  - 23.1 Identity Access Management
  - 23.2 Introduction to OCI IAM Service
  - 23.3 IAM Policies
  - 23.4 Compartments
  - 23.5 Policy Inheritance and Attachment
  - 23.6 Tags and Tag Namespaces
- 24. Governance and Administration- Key Management**
  - 24.1 Key Management
  - 24.2 OCI – Key Management
- 25. Governance and Administration – Billing**
  - 25.1 Billing
  - 25.2 Cost Analysis, Budgets
  - 25.3 Service Limits and Quotas
- 26. Governance and Administration – Service Request**
  - 26.1 Service Requests
  - 26.2 Service Requests and SLAs
- 27. Governance and Administration – Security Overview**
  - 27.1 Shared Security Responsibility Model
  - 27.2 Customer Isolation
  - 27.3 Data Encryption
  - 27.4 Security Control (Authentication)
  - 27.5 Security Control (Authorization)
  - 27.6 Security Control (Resource Access)
  - 27.7 Visibility
  - 27.8 Secure Hybrid Cloud
  - 27.9 Verifiably Secure Infrastructure

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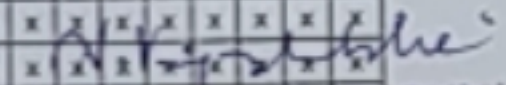
**SHRIMATI INDIRA GANDHI COLLEGE**  
(Nationally Accredited at 'A' Grade(3rd Cycle) by NAAC  
**Department of Computer Science,IT & Applications**  
**Tiruchirappalli -620 002**

S.No	Value Added Course Name	Programme Name	Register Number	Student Name
1	CLOUD COMPUTING	Information Technology	P 20491401	BAVITHA.P
2	CLOUD COMPUTING	Information Technology	P 20491402	FLORENCE JENNIFER.J
3	CLOUD COMPUTING	Information Technology	P 20491403	NITHYAA.R
4	CLOUD COMPUTING	Information Technology	P 20491404	RAJARAJESHWARI.S
5	CLOUD COMPUTING	Information Technology	P 20491405	RAJESWARI.D
6	CLOUD COMPUTING	Information Technology	P 20491406	SARO ELANTHIRAI.S
7	CLOUD COMPUTING	Information Technology	P 20491407	SHALINI.R
8	CLOUD COMPUTING	Information Technology	P 20491408	SHAMSATH BEGAM.M
9	CLOUD COMPUTING	Information Technology	P 20491409	SRIDEVI.S
10	CLOUD COMPUTING	Information Technology	P 20491410	SUNDARA VADIVU.S
11	CLOUD COMPUTING	Information Technology	P 20491411	SWATHI PRIYA.K
12	CLOUD COMPUTING	Information Technology	P 20491412	THULASI.P
13	CLOUD COMPUTING	Information Technology	P 20491413	VIDHYA.S
14	CLOUD COMPUTING	Information Technology	P 20491414	YOGHARANI.S
15	CLOUD COMPUTING	Information Technology	P 20491415	NIVETHA.M
16	CLOUD COMPUTING	Computer Science	P 20271402	ANGU.R
17	CLOUD COMPUTING	Computer Science	P 20271403	ANTO VINNARASI.I
18	CLOUD COMPUTING	Computer Science	P 20271405	ANURANJANI.C
19	CLOUD COMPUTING	Computer Science	P 20271406	ATSHAYA.P
20	CLOUD COMPUTING	Computer Science	P 20271407	BABY SHALINI.N
21	CLOUD COMPUTING	Computer Science	P 20271408	GEETHU.M
22	CLOUD COMPUTING	Computer Science	P 20271409	HARIPRIYA.D
23	CLOUD COMPUTING	Computer Science	P 20271410	JOTHIKA.S
24	CLOUD COMPUTING	Computer Science	P 20271411	KEERTHANA.N
25	CLOUD COMPUTING	Computer Science	P 20271412	MAHESWARI.R
26	CLOUD COMPUTING	Computer Science	P 20271413	MARIYA ARONI.J
27	CLOUD COMPUTING	Computer Science	P 20271414	MUTHAMIL.R
28	CLOUD COMPUTING	Computer Science	P 20271415	ROSHIKA.R
29	CLOUD COMPUTING	Computer Science	P 20271416	SATHIYA.I
30	CLOUD COMPUTING	Computer Science	P 20271417	SUBHA PRIYA.R
31	CLOUD COMPUTING	Computer Science	P 20271418	SUDARVIZHI.B
32	CLOUD COMPUTING	Computer Science	P 20271419	USHA.T
33	CLOUD COMPUTING	Computer Applications	CB19S 257532	MANGALADHARSHINI.E
34	CLOUD COMPUTING	Computer Applications	CB19S 257527	KARTHIKA.C
35	CLOUD COMPUTING	Computer Applications	CB19S 257524	ISWARYA.R
36	CLOUD COMPUTING	Computer Applications	CB19S 257512	ABIRAMI SRI.G
37	CLOUD COMPUTING	Computer Applications	CB19S 257533	MIRSHA.S
38	CLOUD COMPUTING	Computer Applications	CB19S 257514	ARCHANA.T

39	CLOUD COMPUTING	Computer Applications	CB19S 257526	JANANI.V
40	CLOUD COMPUTING	Computer Applications	CB19S 257547	SHARMILI.K
41	CLOUD COMPUTING	Computer Applications	CB19S 257550	SUWETHA.K
42	CLOUD COMPUTING	Computer Applications	CB19S 257583	SINEKA.M
43	CLOUD COMPUTING	Computer Applications	CB19S 257549	SRINITHI VIDHYA.N
44	CLOUD COMPUTING	Computer Applications	CB19S 257516	ARIVUKODI.A
45	CLOUD COMPUTING	Computer Applications	CB19S 257523	ISHWARYA.S
46	CLOUD COMPUTING	Computer Applications	CB19S 257540	SANDHIYA.S(I)
47	CLOUD COMPUTING	Computer Applications	CB19S 257535	PRIYADHARSHINI.S
48	CLOUD COMPUTING	Computer Applications	CB19S 257542	SANDHIYA.T
49	CLOUD COMPUTING	Computer Applications	CB19S 257530	MADHUMITHA.M
50	CLOUD COMPUTING	Computer Applications	CB19S 257544	SHAHITHA.K
51	CLOUD COMPUTING	Computer Applications	CB19S 257522	HISHANI.V
52	CLOUD COMPUTING	Computer Applications	CB19S 257534	NAGALAKSHMI.B
53	CLOUD COMPUTING	Computer Applications	CB19S 257521	GAYATHRI.P
54	CLOUD COMPUTING	Computer Applications	CB19S 257511	ABIRAMI.V
55	CLOUD COMPUTING	Computer Applications	CB19S 257513	ANUSHIYA.V
56	CLOUD COMPUTING	Computer Applications	CB19S 257537	RASIKA PRIYA.K
57	CLOUD COMPUTING	Computer Applications	CB19S 257528	KEERTHIGA.M
58	CLOUD COMPUTING	Computer Applications	CB19S 257536	RAJALAKSHMI.S
59	CLOUD COMPUTING	Computer Applications	CB19S 257531	MAHALAKSHMI.K
60	CLOUD COMPUTING	Computer Applications	CB19S 257532	AMALASHREE.M.G
61	CLOUD COMPUTING	Computer Applications	CB19S 257517	ATCHAYA.R
62	CLOUD COMPUTING	Computer Applications	CB19S 257552	YUVARANI.N
63	CLOUD COMPUTING	Computer Applications	CB19S 257556	ANITHA.M
64	CLOUD COMPUTING	Computer Applications	CB19S 257571	KEERTHIKA.K
65	CLOUD COMPUTING	Computer Applications	CB19S 257592	VINETHA.R
66	CLOUD COMPUTING	Computer Applications	CB19S 257589	THAMARAI SELVI.V
67	CLOUD COMPUTING	Computer Applications	CB19S 257590	THAVASU.A
68	CLOUD COMPUTING	Computer Applications	CB19S 257584	SNEHA.B
69	CLOUD COMPUTING	Computer Applications	CB19S 257561	FARIHA FATHIMA.I
70	CLOUD COMPUTING	Computer Applications	CB19S 257570	KAVITHA.A
71	CLOUD COMPUTING	Computer Applications	CB19S 257553	ABIRAMI.R
72	CLOUD COMPUTING	Computer Applications	CB19S 257580	RAJALAKSHMI.G
73	CLOUD COMPUTING	Computer Applications	CB19S 257529	KRISHNITHA.S
74	CLOUD COMPUTING	Computer Applications	CB19S 257557	ARUNA.A
75	CLOUD COMPUTING	Computer Applications	CB19S 257585	SRI SAKTHIYA.G.A
76	CLOUD COMPUTING	Computer Applications	CB19S 257587	SUHASHINI.P
77	CLOUD COMPUTING	Computer Applications	CB19S 257548	SINEHA.M

**SHRIMATI INDIRA GANDHI COLLEGE**  
 (Nationally Accredited at 'A' Grade[3rd Cycle] by NAAC  
 Tiruchirappalli -620 002

S.No	NAME	CLASS	COURSE	November 2021	December 2021																																
				30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
1	BAVITHA.P	II M.SC IT	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
2	FLORENCE JENNIFER.J	II M.SC IT	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
3	NITHYAA.R	II M.SC IT	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
4	RAJARAJESHWARI.S	II M.SC IT	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
5	RAJESWARI.D	II M.SC IT	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
6	SARO ELANTHIRAI.S	II M.SC IT	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
7	SHALINI.R	II M.SC IT	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
8	SHAMSATH BEGAM.M	II M.SC IT	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
9	SRIDEVILS	II M.SC IT	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
10	SUNDARA VADIVU.S	II M.SC IT	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
11	SWATHI PRIYA.K	II M.SC IT	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
12	THULASI.P	II M.SC IT	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
13	VIDHYA.S	II M.SC IT	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
14	YOGHARANILS	II M.SC IT	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
15	NIVETHA.M	II M.SC IT	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
16	ANGU.R	II M.SC CS	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
17	ANTO VINNARASLI	II M.SC CS	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
18	ANURANJANI.C	II M.SC CS	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
19	ATSHAYA.P	II M.SC CS	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
20	BABY SHALINI.N	II M.SC CS	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
21	GEETHU.M	II M.SC CS	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
22	HARIPRIYA.D	II M.SC CS	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
23	JOTHIKA.S	II M.SC CS	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
24	KEERTHANA.N	II M.SC CS	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
25	MAHESWARI.R	II M.SC CS	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
26	MARIYA ARONI.J	II M.SC CS	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
27	MUTHAMIL.R	II M.SC CS	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
28	ROSHIKA.R	II M.SC CS	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
29	SATHIYA.I	II M.SC CS	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
30	SUBHA PRIYA.R	II M.SC CS	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
31	SUDARVIZHI.B	II M.SC CS	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
32	USHA.T	II M.SC CS	CLOUD COMPUTING	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x

  
**M. V. Jagan Mohan**,  
 M.Sc., M.Phil., NET, SET,  
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 I.T. and Computer Applications,  
 Shrimati Indira Gandhi College,  
 Trichy-2.







# AWARD of COURSE COMPLETION

Oracle Cloud Infrastructure Foundations I

PRESENTED TO

Rajalakshmi. G

FOR SATISFACTORY COMPLETION OF ALL COURSEWORK

29th December 2021

A handwritten signature in black ink that reads "Elizabeth Snyder".

Elizabeth Snyder  
Vice President, Oracle Academy



# AWARD of FINAL EXAM COMPLETION

Oracle Cloud Infrastructure Foundations I

PRESENTED TO

Kiruthika. V

FOR SATISFACTORY COMPLETION OF COURSE FINAL EXAM

10th January 2022

A handwritten signature in black ink that reads "Elizabeth Snyder". The signature is written in a cursive, flowing style.

Elizabeth Snyder  
Vice President, Oracle Academy



# SHRIMATI INDIRA GANDHI COLLEGE

Nationally Accredited at 'A' Grade (3rd Cycle) by NAAC

Tiruchirappalli - 620 002

Department of Computer Science, IT and Computer Applications in  
association with Training & Placement Division

## JAVA FUNDAMENTALS



DATE : 04.11.2021 onwards

TIME : 3.00 p.m. to 4.00 p.m.

DURATION : 30 Days

MODE : Online

First Year PG & Second Year UG students are invited to join



## Java Fundamentals – Course Description

### Overview

This course engages students with little or no programming experience to create Java programs. Participants are introduced to object-oriented programming concepts, terminology, and syntax, and the steps required to create basic Java programs using the Alice, Greenfoot, and Eclipse interactive development environments. Hand-on practices figure prominently throughout this course so students can experience firsthand the power of computer programming.

### Available Curriculum Languages:

- Arabic, Simplified Chinese, English, French, Indonesian, Japanese, Brazilian Portuguese, Spanish

### Duration

- 90 hours (one semester)

### Target Audiences

#### Primary Audience

- College/university faculty who teach computer programming, information communications technology (ICT), or a related subject
- Secondary school teachers who teach computer programming

#### Secondary Audience

- None

### Prerequisites

#### Required


- Basic understanding of at least one programming language
- The ability to follow software installation instructions and install Alice, Greenfoot, and Eclipse on a computer

#### Suggested

- Getting Started with Java Using Alice and Creating Java Programs with Greenfoot or previous experience with at least one programming language

### Suggested Next Courses

- Java Programming

  
MS. N. VIJAYALAKSHMI,  
M.Sc., M.Phil., NET, SET,  
Head, Dept. of Computer Science,  
I.T. and Computer Applications,  
Shrimati Indira Gandhi College,  
Trichy-2

## Lesson-by-Lesson Topics

### Introduction

- Introduction

### Alice 3

- Getting Started with Alice 3
- Add and Position Objects
- Procedures and Arguments
- Rotation and Randomization
- Declare Procedures
- Control Statements
- Functions
- IF and WHILE Control Structures
- Expressions
- Variables
- Keyboard Controls
- Develop a Complete Animation
- Java Variables and Data Types
- Java Methods and Classes

### Greenfoot

- Getting Started With Greenfoot
- Methods, Variables and Parameters
- Source Code and Documentation
- Developing and Testing an Application
- Randomization and Constructors
- Defined Methods
- Sound and Keyboard Control
- World Animating and Game End
- Abstraction
- Loops, Variables, and Arrays

### Java Basics

- Getting Started with Eclipse
- Object and Driver Classes
- Data Types and Operators
- Strings

### Program Structure


- Using Scanner and Conditional Statements
- Using Program Control Statements

### Arrays and Exceptions

- Arrays
- Handling Errors

### Java Classes

- Classes, Objects, and Methods
- Parameters and Overloading Methods
- The Static Modifier and Nested Classes
- Inheritance
- Polymorphism

  
**Ms. N. VIJAYALAKSHMI,**  
M.Sc., M.Phil., NET, SET,  
Head, Dept. of Computer Science,  
I.T. and Computer Applications,  
Shrimati Indira Gandhi College,  
Trichy-2.

**SHRIMATI INDIRA GANDHI COLLEGE**  
(Nationally Accredited at 'A' Grade(3rd Cycle) by NAAC  
**Department of Computer Science,IT & Applications**  
**Tiruchirappalli -620 002**

S.No	Value Added course name	Programme Name	REGISTER NUMBER	STUDENT NAME
1	JAVA FUNDAMENTALS	Information Technology	CB20S 305313	AKILA SIVAGAMI.P
2	JAVA FUNDAMENTALS	Information Technology	CB20S 305314	ARIFA.A
3	JAVA FUNDAMENTALS	Information Technology	CB20S 305315	INDHUMATHI G.J
4	JAVA FUNDAMENTALS	Information Technology	CB20S 305316	JAYASURYA.S
5	JAVA FUNDAMENTALS	Information Technology	CB20S 305317	KAVIBALA.A
6	JAVA FUNDAMENTALS	Information Technology	CB20S 305318	MAHAJOTHI.S
7	JAVA FUNDAMENTALS	Information Technology	CB20S 305319	PREETHA.P
8	JAVA FUNDAMENTALS	Information Technology	CB20S 305320	PRIYADHARSHINI.B
9	JAVA FUNDAMENTALS	Information Technology	CB20S 305321	PRIYANKA.B
10	JAVA FUNDAMENTALS	Information Technology	CB20S 305322	RAHIYANATH.T
11	JAVA FUNDAMENTALS	Information Technology	CB20S 305323	RAJA SHREE.G
12	JAVA FUNDAMENTALS	Information Technology	CB20S 305324	RIBHADHARSHINI.B
13	JAVA FUNDAMENTALS	Information Technology	CB20S 305325	SOBIYA BANU.S
14	JAVA FUNDAMENTALS	Information Technology	CB20S 305326	SUBASHRI.S
15	JAVA FUNDAMENTALS	Information Technology	CB20S 305327	VISHNUPRIYA.R
16	JAVA FUNDAMENTALS	Information Technology	P 21491050	ABIRAMI.M
17	JAVA FUNDAMENTALS	Information Technology	P 21491051	ANUSUYA.R
18	JAVA FUNDAMENTALS	Information Technology	P 21491052	INDHUPRIYA.S
19	JAVA FUNDAMENTALS	Information Technology	P 21491053	KIRUTHIGA.R
20	JAVA FUNDAMENTALS	Information Technology	P 21491054	MAANISHA.P
21	JAVA FUNDAMENTALS	Information Technology	P 21491055	MADHU MEETHA.K
22	JAVA FUNDAMENTALS	Information Technology	P 21491056	NANDHINI.G
23	JAVA FUNDAMENTALS	Information Technology	P 21491057	RAJESHWARI.R
24	JAVA FUNDAMENTALS	Information Technology	P 21491058	SANDHIYA.J
25	JAVA FUNDAMENTALS	Information Technology	P 21491059	SHARUMATHI.R
26	JAVA FUNDAMENTALS	Information Technology	P 21491060	SNEHA.H
27	JAVA FUNDAMENTALS	Information Technology	P 21491061	SNEHA.V
28	JAVA FUNDAMENTALS	Information Technology	P 21491062	VARSHA.N
29	JAVA FUNDAMENTALS	Information Technology	P 21491063	VAISHANAVI.S
30	JAVA FUNDAMENTALS	Information Technology	P 21491064	ARUL JAYA PRIYA.A
31	JAVA FUNDAMENTALS	Computer Science	P 21271050	ABARNA.K
32	JAVA FUNDAMENTALS	Computer Science	P 21271051	AKSHIYA.R
33	JAVA FUNDAMENTALS	Computer Science	P 21271052	APARNA.D
34	JAVA FUNDAMENTALS	Computer Science	P 21271053	ARCHANA.S
35	JAVA FUNDAMENTALS	Computer Science	P 21271054	BAVADHARANI.B
36	JAVA FUNDAMENTALS	Computer Science	P 21271055	BRINDHA.E
37	JAVA FUNDAMENTALS	Computer Science	P 21271056	DAHRANI.V
38	JAVA FUNDAMENTALS	Computer Science	P 21271057	GOKILA.M
39	JAVA FUNDAMENTALS	Computer Science	P 21271058	HARINI.R

40	JAVA FUNDAMENTALS	Computer Science	P 21271059	ISHWARYA.K
41	JAVA FUNDAMENTALS	Computer Science	P 21271060	JANANISRI.S
42	JAVA FUNDAMENTALS	Computer Science	P 21271061	JAYASREE.R.K
43	JAVA FUNDAMENTALS	Computer Science	P 21271062	KANISHKA.K
44	JAVA FUNDAMENTALS	Computer Science	P 21271064	KAVIYA.V
45	JAVA FUNDAMENTALS	Computer Science	P 21271065	KAVYA.N
46	JAVA FUNDAMENTALS	Computer Science	P 21271066	LOGESWARI.S
47	JAVA FUNDAMENTALS	Computer Science	P 21271067	MADHUMITHA.K
48	JAVA FUNDAMENTALS	Computer Science	P 21271068	MAHALAKSHMI.V
49	JAVA FUNDAMENTALS	Computer Science	P 21271069	MANIBHARATHI.N
50	JAVA FUNDAMENTALS	Computer Science	P 21271070	NIVETHA PRIYA.N
51	JAVA FUNDAMENTALS	Computer Science	P 21271071	POORNIMA.G
52	JAVA FUNDAMENTALS	Computer Science	P 21271072	PRAMMASRI.R
53	JAVA FUNDAMENTALS	Computer Science	P 21271073	PRIYADARSHINI.S
54	JAVA FUNDAMENTALS	Computer Science	P 21271074	PRIYADHARSHINI.J
55	JAVA FUNDAMENTALS	Computer Science	P 21271075	SHALINI.M
56	JAVA FUNDAMENTALS	Computer Science	P 21271076	SINDHU.D
57	JAVA FUNDAMENTALS	Computer Science	P 21271077	SOPHIA.D
58	JAVA FUNDAMENTALS	Computer Science	P 21271078	SOWMIYALAKSHMI.D
59	JAVA FUNDAMENTALS	Computer Science	P 21271079	SUBHA LAKSHMI.B
60	JAVA FUNDAMENTALS	Computer Science	P 21271080	SUSHMA.T
61	JAVA FUNDAMENTALS	Computer Science	P 21271081	SUSMITHA.R
62	JAVA FUNDAMENTALS	Computer Science	P 21271082	YOGESHWARI.S
63	Java Fundamentals	Computer Science	CB21S 204468	Aarthi B
64	Java Fundamentals	Computer Science	CB21S 204469	Abinaya A
65	Java Fundamentals	Computer Science	CB21S 204471	Agila S
66	Java Fundamentals	Computer Science	CB21S 204472	Annalakshmi N
67	Java Fundamentals	Computer Science	CB21S 204473	Anulega M
68	Java Fundamentals	Computer Science	CB21S 204474	Ashifa Begam S
69	Java Fundamentals	Computer Science	CB21S 204475	Bavatharani S
70	Java Fundamentals	Computer Science	CB21S 204476	Brundha T
71	Java Fundamentals	Computer Science	CB21S 204477	Deepadharshini K
72	Java Fundamentals	Computer Science	CB21S 204478	Deepika A
73	Java Fundamentals	Computer Science	CB21S 204479	Deepika C
74	Java Fundamentals	Computer Science	CB21S 204480	Deepthi S
75	Java Fundamentals	Computer Science	CB21S 204481	Devadhashini M
76	Java Fundamentals	Computer Science	CB21S 204482	Devadharshini R
77	Java Fundamentals	Computer Science	CB21S 204483	Dharani S S
78	Java Fundamentals	Computer Science	CB21S 204484	Dharaniya A
79	Java Fundamentals	Computer Science	CB21S 204485	Dharshini P
80	Java Fundamentals	Computer Science	CB21S 204486	Dharshini S
81	Java Fundamentals	Computer Science	CB21S 204488	Farhath Jabeen J
82	Java Fundamentals	Computer Science	CB21S 204489	Gayathri D
83	Java Fundamentals	Computer Science	CB21S 204490	Gayathri R
84	Java Fundamentals	Computer Science	CB21S 204491	Gayathri V
85	Java Fundamentals	Computer Science	CB21S 204492	Gomathy D

86	Java Fundamentals	Computer Science	CB21S 204493	Gopika S
87	Java Fundamentals	Computer Science	CB21S 204494	Harini S
88	Java Fundamentals	Computer Science	CB21S 204495	Harshitha S
89	Java Fundamentals	Computer Science	CB21S 204496	Ilakkiya G
90	Java Fundamentals	Computer Science	CB21S 204497	Indhumathi N
91	Java Fundamentals	Computer Science	CB21S 204498	Iswarya Lakshmi S
92	Java Fundamentals	Computer Science	CB21S 204499	Jagadeswari N
93	Java Fundamentals	Computer Science	CB21S 204500	Janani Priya N
94	Java Fundamentals	Computer Science	CB21S 204502	Jenifer A
95	Java Fundamentals	Computer Science	CB21S 204503	Jenifer Velankanni R
96	Java Fundamentals	Computer Science	CB21S 204504	Jerin Florida N
97	Java Fundamentals	Computer Science	CB21S 204505	Juvitha B
98	Java Fundamentals	Computer Science	CB21S 204506	Kalanithi B
99	Java Fundamentals	Computer Science	CB21S 204507	Kalpana C
100	Java Fundamentals	Computer Science	CB21S 204508	Kamatchi R
101	Java Fundamentals	Computer Science	CB21S 204510	Kavitha S
102	Java Fundamentals	Computer Science	CB21S 204511	Kayalvizhi K
103	Java Fundamentals	Computer Science	CB21S 204513	Bhuvana K
105	Java Fundamentals	Computer Science	CB21S 204514	KEERTHANA R
106	Java Fundamentals	Computer Science	CB21S 204515	KEERTHIKA B
107	Java Fundamentals	Computer Science	CB21S 204516	MADHUMITHA R
108	Java Fundamentals	Computer Science	CB21S 204517	MAHALAKSHMI B
109	Java Fundamentals	Computer Science	CB21S 204518	MANGALAM S
110	Java Fundamentals	Computer Science	CB21S 204519	MONIKA M
111	Java Fundamentals	Computer Science	CB21S 204520	MUBEENUNISA M L
112	Java Fundamentals	Computer Science	CB21S 204521	NARMADHA D
113	Java Fundamentals	Computer Science	CB21S 204522	NITHYAISWARYA R
114	Java Fundamentals	Computer Science	CB21S 204523	NITHYA SHREE M U
115	Java Fundamentals	Computer Science	CB21S 204524	PADMA A S
116	Java Fundamentals	Computer Science	CB21S 204525	PARKAVI M
117	Java Fundamentals	Computer Science	CB21S 204526	PAVITHRA C
118	Java Fundamentals	Computer Science	CB21S 204527	POORNIMA K
119	Java Fundamentals	Computer Science	CB21S 204528	PRATHINA V
120	Java Fundamentals	Computer Science	CB21S 204529	PRIYA ISHWARIYA K
121	Java Fundamentals	Computer Science	CB21S 204530	PRIYADHARSHINI D
122	Java Fundamentals	Computer Science	CB21S 204531	PRIYADHARSHINI S
123	Java Fundamentals	Computer Science	CB21S 204532	PRIYADHARSHINI S
124	Java Fundamentals	Computer Science	CB21S 204533	PRIYADHARSHINI T
125	Java Fundamentals	Computer Science	CB21S 204534	PRIYANKA T
126	Java Fundamentals	Computer Science	CB21S 204535	PURANIJA K
127	Java Fundamentals	Computer Science	CB21S 204536	RAJARAJESHWARI R
128	Java Fundamentals	Computer Science	CB21S 204537	RISHVINI S
129	Java Fundamentals	Computer Science	CB21S 204538	RUTHRA N
130	Java Fundamentals	Computer Science	CB21S 204539	SADHANA G
131	Java Fundamentals	Computer Science	CB21S 204540	SANGAVI G
132	Java Fundamentals	Computer Science	CB21S 204541	SANGEETHA P

133	Java Fundamentals	Computer Science	CB21S 204542	SARASWATHI K
134	Java Fundamentals	Computer Science	CB21S 204543	SARASWATHI P
135	Java Fundamentals	Computer Science	CB21S 204544	SAVARMATHI S
136	Java Fundamentals	Computer Science	CB21S 204545	SHALINI R
137	Java Fundamentals	Computer Science	CB21S 204546	SOBANA P
138	Java Fundamentals	Computer Science	CB21S 204547	SONA R
139	Java Fundamentals	Computer Science	CB21S 204548	SRINITHI S
140	Java Fundamentals	Computer Science	CB21S 204549	SUBHASINI S
141	Java Fundamentals	Computer Science	CB21S 204550	SUBIKSHAPRIYA R
142	Java Fundamentals	Computer Science	CB21S 204551	SWATHY T
143	Java Fundamentals	Computer Science	CB21S 204552	SWETHA G
144	Java Fundamentals	Computer Science	CB21S 204553	SWETHA M
145	Java Fundamentals	Computer Science	CB21S 204554	VAISHNAVI R
146	Java Fundamentals	Computer Science	CB21S 204555	VISHNUPRIYA M
147	Java Fundamentals	Computer Science	CB21S 204556	YAMUNA DEVI K
148	Java Fundamentals	Computer Science	CB20S 198432	ANANTHAVALLI.A
149	Java Fundamentals	Computer Science	CB20S 198433	ANANTHI.A
150	Java Fundamentals	Computer Science	CB20S 198434	ANITHA.S
151	Java Fundamentals	Computer Science	CB20S 198435	BHUVANESWARI.B
152	Java Fundamentals	Computer Science	CB20S 198436	DURGA.S
153	Java Fundamentals	Computer Science	CB20S 198437	CELCY PRISEBA.C
154	Java Fundamentals	Computer Science	CB20S 198438	DEEBASHIKA.P
155	Java Fundamentals	Computer Science	CB20S 198439	DEVISRI.P
156	Java Fundamentals	Computer Science	CB20S 198440	DHANA PRIYA.S
157	Java Fundamentals	Computer Science	CB20S 198441	DHIVYASHREE.S
158	Java Fundamentals	Computer Science	CB20S 198442	FARGHANA.A
159	Java Fundamentals	Computer Science	CB20S 198443	HARINI.D
160	Java Fundamentals	Computer Science	CB20S 198444	HARINI.G
161	Java Fundamentals	Computer Science	CB20S 198445	HARINI SRI.K
162	Java Fundamentals	Computer Science	CB20S 198446	HEMA NANDHINI.S
163	Java Fundamentals	Computer Science	CB20S 198447	ISWARYA.V
164	Java Fundamentals	Computer Science	CB20S 198448	JASMIN.J
165	Java Fundamentals	Computer Science	CB20S 198449	JERLIN.A
166	Java Fundamentals	Computer Science	CB20S 198450	KANIMOZHI.R
167	Java Fundamentals	Computer Science	CB20S 198451	KAVIYA.B
168	Java Fundamentals	Computer Science	CB20S 198452	PAVITHRA.S
169	Java Fundamentals	Computer Science	CB20S 198453	PRIYANGA.D
170	Java Fundamentals	Computer Science	CB20S 198454	ROSHINI.C
171	Java Fundamentals	Computer Science	CB20S 198455	ROSHNI.R
172	Java Fundamentals	Computer Science	CB20S 198456	SANGEETHA.S
173	Java Fundamentals	Computer Science	CB20S 198457	SASIKALA.M
174	Java Fundamentals	Computer Science	CB20S 198458	SENTHURADEVI.S
175	Java Fundamentals	Computer Science	CB20S 198459	SHANJANA.S
176	Java Fundamentals	Computer Science	CB20S 198460	SHARIN.N
177	Java Fundamentals	Computer Science	CB20S 198461	SNEGA.G
178	Java Fundamentals	Computer Science	CB20S 198462	SRIMATHI.S

179	Java Fundamentals	Computer Science	CB20S 198463	SRINATHI.B
180	Java Fundamentals	Computer Science	CB20S 198464	SUBASHINI.R
181	Java Fundamentals	Computer Science	CB20S 198465	SUVETHA.C
182	Java Fundamentals	Computer Science	CB20S 198466	URESHNA THIRUKKOV
183	Java Fundamentals	Computer Science	CB20S 198467	VANITHA.R
184	Java Fundamentals	Computer Science	CB20S 198468	VIDHYASHREE.R
185	Java Fundamentals	Computer Science	CB20S 198469	VINO.U
186	Java Fundamentals	Computer Science	CB20S 198470	ASHMITHA.B
187	Java Fundamentals	Computer Science	CB20S 198471	KUNGUMA BRINDHA S
188	Java Fundamentals	Computer Science	CB20S 198472	LATHA MALINI.P
189	Java Fundamentals	Computer Science	CB20S 198473	MADHUBALA S
190	Java Fundamentals	Computer Science	CB20S 198474	MALLIKA A
191	Java Fundamentals	Computer Science	CB20S 198475	MANGALA GOWRI G
192	Java Fundamentals	Computer Science	CB20S 198476	MONISHA G
193	Java Fundamentals	Computer Science	CB20S 198477	NAGARANI R
194	Java Fundamentals	Computer Science	CB20S 198478	NANDHINI A
195	Java Fundamentals	Computer Science	CB20S 198479	NAVANEETHA T
196	Java Fundamentals	Computer Science	CB20S 198480	NIVETHA K
197	Java Fundamentals	Computer Science	CB20S 198481	PATHMA M
198	Java Fundamentals	Computer Science	CB20S 198482	RAMALAKSHMI P
199	Java Fundamentals	Computer Science	CB20S 198483	GAYATHRI RASHIKA B
200	Java Fundamentals	Computer Science	CB20S 198484	HARSHINI K
201	Java Fundamentals	Computer Science	CB20S 198485	JANANI S
202	Java Fundamentals	Computer Science	CB20S 198486	LISHA DEVI S
203	Java Fundamentals	Computer Science	CB20S 198487	MOHANA PRIYA M
204	Java Fundamentals	Computer Science	CB20S 198488	NAGADHARSHINI K
205	Java Fundamentals	Computer Science	CB20S 198489	NANDHINI R
206	Java Fundamentals	Computer Science	CB20S 198490	NASREEN BANU M
207	Java Fundamentals	Computer Science	CB20S 198491	NITHYA SRI V
208	Java Fundamentals	Computer Science	CB20S 198492	PANDIMEENA M
209	Java Fundamentals	Computer Science	CB20S 198493	PRAVEENA M
210	Java Fundamentals	Computer Science	CB20S 198494	PRIYA J
211	Java Fundamentals	Computer Science	CB20S 198495	PRIYADHARSHINI S
212	Java Fundamentals	Computer Science	CB20S 198496	SAGAYA REEJO RANI T
213	Java Fundamentals	Computer Science	CB20S 198497	SHANMUGAPRIYA S
214	Java Fundamentals	Computer Science	CB20S 198498	SIVA SAKTHI S
215	Java Fundamentals	Computer Science	CB20S 198499	BALASUGUNA.S.K.
216	Java Fundamentals	Computer Science	CB20S 198500	SWATHI S
217	Java Fundamentals	Computer Science	CB20S 198501	VINOTHIYA M
218	Java Fundamentals	Computer Science	CB20S 198502	DHEVADHARSHINI. D
219	Java Fundamentals	Computer Applications	CB20S 259090	AARTHY.V
220	Java Fundamentals	Computer Applications	CB20S 259091	AKSHAYA.B
221	Java Fundamentals	Computer Applications	CB20S 259092	ARTHI.D
222	Java Fundamentals	Computer Applications	CB20S 259093	ATCHAYA.M

223	Java Fundamentals	Computer Applications	CB20S 259094	BALA PREETHIKA.N
224	Java Fundamentals	Computer Applications	CB20S 259096	DEEPIKA.K
225	Java Fundamentals	Computer Applications	CB20S 259097	DHANAYALAKSHMI.P
226	Java Fundamentals	Computer Applications	CB20S 259098	DHARANI.A
227	Java Fundamentals	Computer Applications	CB20S 259099	DHARANI.R
228	Java Fundamentals	Computer Applications	CB20S 259100	DHIVYA BHARATHI S
229	Java Fundamentals	Computer Applications	CB20S 259101	GNANAMANJARI K
230	Java Fundamentals	Computer Applications	CB20S 259102	HEMAREKA M J
231	Java Fundamentals	Computer Applications	CB20S 259103	JEBINA S
232	Java Fundamentals	Computer Applications	CB20S 259104	JENISHA J
233	Java Fundamentals	Computer Applications	CB20S 259105	KANMANI R
234	Java Fundamentals	Computer Applications	CB20S 259106	KAREESHMA E
235	Java Fundamentals	Computer Applications	CB20S 259107	KARUNYA IVANJALIN D
236	Java Fundamentals	Computer Applications	CB20S 259108	KAVIYA V
237	Java Fundamentals	Computer Applications	CB20S 259109	KEERTHI K
238	Java Fundamentals	Computer Applications	CB20S 259110	LAKSHANYA G
239	Java Fundamentals	Computer Applications	CB20S 259111	LATHA V
240	Java Fundamentals	Computer Applications	CB20S 259112	LEENASHRI P
241	Java Fundamentals	Computer Applications	CB20S 259113	MADHUMITHA M
242	Java Fundamentals	Computer Applications	CB20S 259114	MADHUMITHA S
243	Java Fundamentals	Computer Applications	CB20S 259115	MATHUMATHI R
244	Java Fundamentals	Computer Applications	CB20S 259116	MUTHA PATHMA PRIYA
245	Java Fundamentals	Computer Applications	CB20S 259117	MUTHU VEGA R
246	Java Fundamentals	Computer Applications	CB20S 259118	NAGARANI M
247	Java Fundamentals	Computer Applications	CB20S 259119	NANDHANA P
248	Java Fundamentals	Computer Applications	CB20S 259120	NISHANTHINI P
249	Java Fundamentals	Computer Applications	CB20S 259121	NITYASRE N
250	Java Fundamentals	Computer Applications	CB20S 259122	NIVETHA A
251	Java Fundamentals	Computer Applications	CB20S 259123	PADMAVATHY J
252	Java Fundamentals	Computer Applications	CB20S 259124	PAVALA KUMARI S
253	Java Fundamentals	Computer Applications	CB20S 259125	PAVITHRA P
254	Java Fundamentals	Computer Applications	CB20S 259126	RATCHAKA R



255	Java Fundamentals	Computer Applications	CB20S 259127	SANTHIYA S
256	Java Fundamentals	Computer Applications	CB20S 259128	SHALINI B
257	Java Fundamentals	Computer Applications	CB20S 259129	SHALINI G
258	Java Fundamentals	Computer Applications	CB20S 259130	SINDHUMATHI S
259	Java Fundamentals	Computer Applications	CB20S 259131	SNEKA SRI A.K
260	Java Fundamentals	Computer Applications	CB20S 259132	SUBALEKA P
261	Java Fundamentals	Computer Applications	CB20S 259133	SUJITHA P
262	Java Fundamentals	Computer Applications	CB20S 259134	SUSHMITHA R
263	Java Fundamentals	Computer Applications	CB20S 259135	VIJAYASHANTHI M
264	Java Fundamentals	Computer Applications	CB20S 259136	VINISHA B
265	Java Fundamentals	Computer Applications	CB20S 259137	YASMIN BEGUM M
266	Java Fundamentals	Computer Applications	CB20S 259138	YOGAPRIYA M
267	Java Fundamentals	Computer Applications	CB20S 260387	PRIYANKA D

**SHRIMATI INDIRA GANDHI COLLEGE**

(Nationally Accredited at 'A' Grade(3rd Cycle) by NAAC)

Truchirappalli -620 002

S.No	NAME	CLASS	COURSE	November 2021																														December 2021			
				5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4				
1	AKILA SIVAGAMI.P	II B.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
2	ARIFA.A	II B.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
3	INDHUMATHI G.J	II B.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
4	JAYASURYA.S	II B.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
5	KAVIBALA.A	II B.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
6	MAHAJOTHIS	II B.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
7	PREETHA.P	II B.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
8	PRIVADHARSHINI.B	II B.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
9	PRIVANKA.B	II B.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
10	RAHIYANATH.T	II B.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
11	RAJA SHREE.G	II B.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
12	RIHADHARSHINI.B	II B.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
13	SOBIYA BANU.S	II B.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
14	SUBASHRI.S	II B.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
15	VISHNUPRIYA.R	II B.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
16	ABIRAMI.M	I M.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
17	ANUSUYA.R	I M.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
18	INDHUPRIYA.S	I M.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
19	KIRUTHIGA.R	I M.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
20	MAANISHA.P	I M.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
21	MADHU MEETHA.K	I M.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
22	NANDHINI.G	I M.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
23	RAJESHWARI.R	I M.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
24	SANDHIYA.J	I M.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
25	SHARUMATHI.R	I M.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
26	SNEHA.H	I M.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
27	SNEHA.V	I M.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
28	VARSHA.N	I M.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
29	VAISHANAVI.S	I M.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
30	ARUL JAVA PRIYA.A	I M.Sc IT	JAVA FUNDAMENTALS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		

Ms. N. V. KAYALAKSHMI,  
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 Truchirappalli



















# AWARD of COURSE COMPLETION

## Java Fundamentals

PRESENTED TO

LATHA. V

FOR SATISFACTORY COMPLETION OF ALL COURSEWORK

25th November 2021

A handwritten signature in black ink that reads "Elizabeth Snyder".

Elizabeth Snyder  
Vice President, Oracle Academy



# AWARD of FINAL EXAM COMPLETION

Java Fundamentals

PRESENTED TO

Thailammai. B

FOR SATISFACTORY COMPLETION OF COURSE FINAL EXAM

16th August 2022

A handwritten signature in black ink that reads "EM Snyder".

Elizabeth Snyder  
Vice President, Oracle Academy



# SHRIMATI INDIRA GANDHI COLLEGE

Nationally Accredited at 'A' Grade (3rd Cycle) by NAAC

Tiruchirappalli - 620 002

Department of Computer Science, IT and Computer Applications in  
association with Training & Placement Division

## ARTIFICIAL INTELLIGENCE WITH MACHINE LEARNING



DATE : 04.11.2021 onwards

TIME : 3.00 p.m. to 4.00 p.m.

DURATION : 30 Days

MODE : Online

Third Year BCA & Second Year PG students are invited to join

## ORACLE ACADEMY –DATA SCIENCE SYLLABUS

### 1. Course Resources

- 1.1 AiML Artificial Intelligence with Machine Learning in Java
- 1.2 AiML Artificial Intelligence with Machine Learning in Java Course Objectives
- 1.3 Java Curriculum Software Requirements

### 2. AiML

- 2-1: Introduction to AI
- 2-2: Data and Information
- 2-3.:Categorizing Data

### 3. Machine Learning

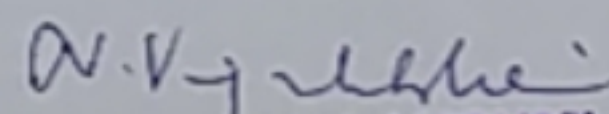
- 3.1 Machine Learning Workflow

### 4. Trees and Recursion

- 4.1: Recursion
- 4.2: Binary Trees
- 4.3: Tree Traversal

### 5. Entropy and the ID3 Algorithm

- 5.1: Decision Tree Algorithms
- 5.2: Information Entropy
- 5.3: AiML ID3 Worked Example
- 5.4: AiML Create an ID3 Tree

  
Ms. N. VIJAYALAKSHMI,  
M.Sc.,M.Phil.,NET,SET,  
Head, Dept. of Computer Science,  
I.T. and Computer Applications,  
Shrimati Indira Gandhi College,  
Trichy-2.

**SHRIMATI INDIRA GANDHI COLLEGE**  
(Nationally Accredited at 'A' Grade(3rd Cycle) by NAAC  
**Department of Computer Science,IT & Applications**  
Tiruchirappalli -620 002

S.No	Value Addedcourse name	Programme Name	Register Number	Student Name
1	DATASCIENCE	Information Technology	P 20491401	BAVITHA.P
2	DATASCIENCE	Information Technology	P 20491402	FLORENCE JENNIFER.J
3	DATASCIENCE	Information Technology	P 20491403	NITHYAA.R
4	DATASCIENCE	Information Technology	P 20491404	RAJARAJESHWARI.S
5	DATASCIENCE	Information Technology	P 20491405	RAJESWARI.D
6	DATASCIENCE	Information Technology	P 20491406	SARO ELANTHIRAI.S
7	DATASCIENCE	Information Technology	P 20491407	SHALINI.R
8	DATASCIENCE	Information Technology	P 20491408	SHAMSATH BEGAM.M
9	DATASCIENCE	Information Technology	P 20491409	SUNDARA VADIVU.S
10	DATASCIENCE	Information Technology	P 20491410	SWATHI PRIYA.K
11	DATASCIENCE	Information Technology	P 20491411	THULASI.P
12	DATASCIENCE	Information Technology	P 20491412	VIDHYA.S
13	DATASCIENCE	Information Technology	P 20491413	YOGHARANI.S
14	DATASCIENCE	Information Technology	P 20491414	NIVETHA.M
15	DATASCIENCE	Information Technology	P 20491415	SRIDEVI.S
16	DATASCIENCE	Computer Science	P 20271411	KEERTHA.N
17	DATASCIENCE	Computer Science	P 20271404	ANU GRACY.P
18	DATASCIENCE	Computer Science	P 20271416	ROSHIKA.R
19	DATASCIENCE	Computer Science	P 20271415	PAVITHRA.A
20	DATASCIENCE	Computer Science	P 20271401	ABIRAMI.G
21	DATASCIENCE	Computer Applications	CB19S 257532	MANGALADHARSHINI.E
22	DATASCIENCE	Computer Applications	CB19S 257527	KARTHIKA.C
23	DATASCIENCE	Computer Applications	CB19S 257524	ISWARYA.R
24	DATASCIENCE	Computer Applications	CB19S 257519	ELAKKIYA.E
25	DATASCIENCE	Computer Applications	CB19S 257534	NAGALAKSHIMI.B
26	DATASCIENCE	Computer Applications	CB19S 257512	ABIRAMI SRI.G
27	DATASCIENCE	Computer Applications	CB19S 257514	AMALASHREE.M.G
28	DATASCIENCE	Computer Applications	CB19S 257515	SRINITHIVIDHYA.N
29	DATASCIENCE	Computer Applications	CB19S 257516	ARCHANA.T
30	DATASCIENCE	Computer Applications	CB19S 257517	ISHWARYA.S
31	DATASCIENCE	Computer Applications	CB19S 257518	PRIYADHARSHINI.S
32	DATASCIENCE	Computer Applications	CB19S 257519	SANDHIYA.S
33	DATASCIENCE	Computer Applications	CB19S 257520	HISHANI.V
34	DATASCIENCE	Computer Applications	CB19S 257521	GAYATHRI.P
35	DATASCIENCE	Computer Applications	CB19S 257522	JANANI.V
36	DATASCIENCE	Computer Applications	CB19S 257523	JANANI.R
37	DATASCIENCE	Computer Applications	CB19S 257524	MIRSHA.S
38	DATASCIENCE	Computer Applications	CB19S 257525	SINEKA.M

39	DATASCIENCE	Computer Applications	CB19S 257526	SUWETHA.K
40	DATASCIENCE	Computer Applications	CB19S 257527	SHARMILA.P
41	DATASCIENCE	Computer Applications	CB19S 257528	SHARMILA.L
42	DATASCIENCE	Computer Applications	CB19S 257529	SHARMILI.K
43	DATASCIENCE	Computer Applications	CB19S 257530	RAJALAKSHMI.S
44	DATASCIENCE	Computer Applications	CB19S 257531	ANUSHIYA.V
45	DATASCIENCE	Computer Applications	CB19S 257532	RASKIA PRIYA.K
46	DATASCIENCE	Computer Applications	CB19S 257533	KEERTHIGA.M
47	DATASCIENCE	Computer Applications	CB19S 257534	YUVARANI.N
48	DATASCIENCE	Computer Applications	CB19S 257535	SANDHIYA.T
49	DATASCIENCE	Computer Applications	CB19S 257536	ARIVUKODI.A
50	DATASCIENCE	Computer Applications	CB19S 257537	SAHANA.S
51	DATASCIENCE	Computer Applications	CB19S 257538	SARANYA.K
52	DATASCIENCE	Computer Applications	CB19S 257539	MAHALAKSHMI.K
53	DATASCIENCE	Computer Applications	CB19S 257540	ATCHAYA.R
54	DATASCIENCE	Computer Applications	CB19S 257541	MADHUMITHA.M
55	DATASCIENCE	Computer Applications	CB19S 257542	ABOORVAA.B.S
56	DATASCIENCE	Computer Applications	CB19S 257543	HEERA.V
57	DATASCIENCE	Computer Applications	CB19S 257544	VINETHA.R
58	DATASCIENCE	Computer Applications	CB19S 257545	ABIRAMI.R
59	DATASCIENCE	Computer Applications	CB19S 257546	SINEHA.M
60	DATASCIENCE	Computer Applications	CB19S 257547	SUHASHINI.P
61	DATASCIENCE	Computer Applications	CB19S 257548	VIMALA.V
62	DATASCIENCE	Computer Applications	CB19S 257549	PUNITHA.S
63	DATASCIENCE	Computer Applications	CB19S 257550	JANAKI.K
64	DATASCIENCE	Computer Applications	CB19S 257551	SURUTHI.T
65	DATASCIENCE	Computer Applications	CB19S 257552	DURGADEVI.S
66	DATASCIENCE	Computer Applications	CB19S 257553	ABIRAMI.V
67	DATASCIENCE	Computer Applications	CB19S 257554	PAVITHRA.J
68	DATASCIENCE	Computer Applications	CB19S 257555	KAVITHA.A
69	DATASCIENCE	Computer Applications	CB19S 257556	VINOTHINI.B
70	DATASCIENCE	Computer Applications	CB19S 257557	BAVADHARANI.S
71	DATASCIENCE	Computer Applications	CB19S 257558	ARUNA.A
72	DATASCIENCE	Computer Applications	CB19S 257559	ISHWARYA.B
73	DATASCIENCE	Computer Applications	CB19S 257560	KRISHNITHA.S











# AWARD of FINAL EXAM COMPLETION

Artificial Intelligence with Machine Learning

PRESENTED TO

SINDHU D

FOR SATISFACTORY COMPLETION OF COURSE FINAL EXAM

20th August 2022

A handwritten signature in black ink that reads "Elizabeth Snyder". The signature is written in a cursive style with a large, stylized "E" and "S".

Elizabeth Snyder  
Vice President, Oracle Academy



# AWARD of FINAL EXAM COMPLETION

Artificial Intelligence with Machine Learning

PRESENTED TO

**SUBASHRI S**

FOR SATISFACTORY COMPLETION OF COURSE FINAL EXAM

31st August 2022

A handwritten signature in black ink that reads "Elizabeth Snyder".

Elizabeth Snyder  
Vice President, Oracle Academy



Phone : 0431-2701453

# SHRIMATI INDIRA GANDHI COLLEGE

(Nationally Accredited at "A" Grade (3<sup>rd</sup> Cycle) by NAAC)

Chatram Bus Stand, Tiruchirapalli - 620 002.

Date: 22.08.2018

## CIRCULAR TO ALL UG & PG STUDENTS

### Online Certificate Course in Database Foundations, Database Design and Programming with SQL

Dear Students,

This is to inform that you as a part of "Online Certificate programmes in Database Foundations, Database Design and Programming with SQL conducted by Department of Computer Science in association with ORACLE & ICT Academy" the department is arranging online classes after the regular class hours between (2.00 p.m. - 4.00 p.m.) from 03.09.2018 to 18.09.2018.

Any interested candidates are requested to please enroll your names with the following staff coordinators from the Department of Computer Science.

- 1.Ms.C.SHYAMALADEVI (Oracle Academy Instructor)
- 2.Ms.V.MANIBABU (Coordinator)
- 3.Ms.S.S.NACHIYA (Coordinator)
- 4.Ms.T.R.B VIDHYA (Coordinator)
- 5.Ms.V.KIRUTHIKA (Coordinator)

Looking forward to your active participation.

\*\*\* Wish You All the Best \*\*\*

Signature of The HOD

**THE HEAD**  
DEPT. OF COMPUTER SCIENCE  
SHRIMATI INDIRA GANDHI COLLEGE  
TIRUCHIRAPALLI - 620 002.



# SHRIMATI INDIRA GANDHI COLLEGE

(Nationally Accredited at "A" Grade (3<sup>rd</sup> Cycle) by NAAC)

Chatram Bus Stand, Tiruchirapalli - 620 002.

Date: 15.11.2018

## CIRCULAR TO ALL UG & PG STUDENTS

**Online Certificate Course in Database Foundations,**

**Database Design and Programming with SQL**

Dear Students,

This is to inform that you as a part of "Online Certificate programmes in Database Foundations, Database Design and Programming with SQL conducted by Department of Computer Science in association with ORACLE & ICT Academy" the department is arranging online classes after the regular class hours between (2.00 p.m. - 4.00 p.m.) from 21.01.2019 to 31.03.2019.

Any interested candidates are requested to please enroll your names with the following staff coordinators from the Department of Computer Science.

1. Ms.C.SHYAMALADEVI (Oracle Academy Instructor)
2. Ms.V.MANIBABU (Coordinator)
3. Ms.S.S.NACHIYA (Coordinator)
4. Ms.T.R.B VIDHYA (Coordinator)
5. Ms.V.KIRUTHIKA (Coordinator)

Looking forward to your active participation.

\*\*\* Wish You All the Best \*\*\*

Signature of The HOD  
**THE HEAD**

DEPT. OF COMPUTER SCIENCE  
SHRIMATI INDIRA GANDHI COLLEGE  
TIRUCHIRAPALLI - 620 002.



# SHRIMATI INDIRA GANDHI COLLEGE

(Nationally Accredited at "A" Grade (3<sup>rd</sup> Cycle) by NAAC)

Chatram Bus Stand, Tiruchirapalli - 620 002.

Date: 01.02.2019

## CIRCULAR TO ALL UG & PG STUDENTS

### Online Certificate Course in Java Fundamentals and Java Programming

Dear Students,

This is to inform that you as a part of "Online Certificate programmes in Java Fundamentals and Java Programming conducted by Department of Computer Science in association with ORACLE & ICT Academy" the department is arranging online classes after the regular class hours between (2.00 p.m. - 4.00 p.m.) from 07.02.2019 to 25.03.2019.

Any interested candidates are requested to please enroll your names with the following staff coordinators from the Department of Computer Science.

1. Ms.C.SHYAMALADEVI (Oracle Academy Instructor)
2. Ms.V.MANIBABU (Coordinator)
3. Ms.S.S.NACHIYA (Coordinator)
4. Ms.T.R.B VIDHYA (Coordinator)
5. Ms.V.KIRUTHIKA (Coordinator)

Looking forward to your active participation.

\*\*\* Wish You All the Best \*\*\*

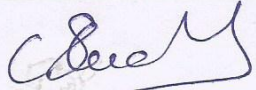
Signature of The HOD

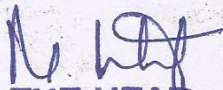
**THE HEAD**

DEPT. OF COMPUTER SCIENCE  
SHRIMATI INDIRA GANDHI COLL

## ONLINE ORACLE CERTIFICATE PROGRAMME NAME LIST

S.NO.	NAME	USERNAME
1	K.V.Sarmila	in_sigc_dfo01_s03
2	A.Suruthi	in_sigc_dfo01_s04
3	R.Iswarya	in_sigc_dfo01_s05
4	R.RenukaDevi	in_sigc_dfo01_s06
5	T.Raji	in_sigc_dfo01_s07
6	M.Aishwarya	in_sigc_dfo01_s08
7	N.Gayathri	in_sigc_dfo01_s09
8	C.Mukila	in_sigc_dfo01_s10
9	M.Nivetha	in_sigc_dfo01_s11
10	K.Ishwariya	in_sigc_dfo01_s12
11	G.Abinaya	in_sigc_dfo01_s13
12	R.Ramyia	in_sigc_dfo01_s14
13	T.Baby	in_sigc_dfo01_s15
14	R.Karkuzhali	in_sigc_dfo01_s16
15	V.Atchaya	in_sigc_dfo01_s17
16	Subhashree Sivakumar	in_sigc_dfo01_s18
17	C.Ramyia	in_sigc_dfo01_s19
18	A.Manisha	in_sigc_dfo01_s20
19	K.Vinitha	in_sigc_dfo01_s21
20	M.V.Kavithashri	in_sigc_dfo01_s22
21	S.Thangamani	in_sigc_dfo01_s23

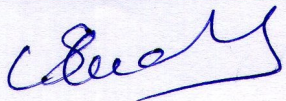
  
Oracle Academy  
Instructor

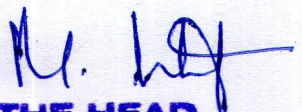
  
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SHRIMATI INDIRA GANDHI COLLEGE  
TIRUCHIRAPALLI - 620 002.



**ONLINE ORACLE CERTIFICATE PROGRAMME**  
**DATABASE FOUNDATION, DATABASE DESIGN, DATABASE**  
**PROGRAMMING WITH SQL**

S.NO.	NAME	CLASS	USERNAME
1	PRIYA DHARSHINI. T	I M.Sc., CS	in_sigc_dfo01_s24
2	NISHABARVEEN. M	I M.Sc., CS	in_sigc_dfo01_s25
3	POOJA. S	I M.Sc., CS	in_sigc_dfo01_s26
4	ANNAPOORANI. V	I M.Sc., CS	in_sigc_dfo01_s27
5	SHANMUGAPRIYA. R	I M.Sc., CS	in_sigc_dfo01_s28
6	PAVITHRA. R	I M.Sc., CS	in_sigc_dfo01_s29
7	VIJAYAPRIYA. P	I M.Sc., CS	in_sigc_dfo01_s30
8	SANGAMITHRA. N	I M.Sc., CS	in_sigc_dfo01_s31
9	VEDHAVALLI. M	I M.Sc., CS	in_sigc_dfo01_s32
10	SUGANYA DEVI. A	I M.Sc., CS	in_sigc_dfo01_s33
11	HEMALATHA. A	II M.Sc., CS	in_sigc_dfo01_s34
12	AKCHAYA. B	II M.Sc., CS	in_sigc_dfo01_s35
13	SARATHI SELVI. S	I M.Sc., IT	in_sigc_dfo01_s36
14	NANDHINI. G.V	I M.Sc., IT	in_sigc_dfo01_s37
15	ARTHI. R	I M.Sc., IT	in_sigc_dfo01_s38
16	SIVASANKARI. S	I M.Sc., IT	in_sigc_dfo01_s39
17	ELAVARASI. T	I M.Sc., IT	in_sigc_dfo01_s40
18	ESWARI. R	I M.Sc., IT	in_sigc_dfo01_s41
19	POOJA. R	I M.Sc., IT	in_sigc_dfo01_s42
20	NANDHINI. K	I M.Sc., IT	in_sigc_dfo01_s43

  
Oracle Academy  
Instructor

  
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SHRIMATI INDIRA GANDHI COLLEGE  
TIRUCHIRAPALLI - 620 002.

**ONLINE ORACLE CERTIFICATE PROGRAMME**  
**JAVA FUNDAMENTALS & JAVA PROGRAMMING**

S.NO.	NAME	CLASS	USERNAME
1	KARTHIKA. K	I M.Sc., CS	in_sigc_jf01_s44
2	DHIVYABHARATHI. T	I M.Sc., CS	in_sigc_jf01_s45
3	LOGESHWARI. M	I M.Sc., CS	in_sigc_jf01_s46
4	KIRUTHIKA. K	I M.Sc., CS	in_sigc_jf01_s47
5	LAVANYA. E	I M.Sc., CS	in_sigc_jf01_s48
6	POONTHENDRAL. S	I M.Sc., CS	in_sigc_jf01_s49
7	ANUSUYA. K	I M.Sc., CS	in_sigc_jf01_s50
8	HINSILIA. D	I M.Sc., CS	in_sigc_jf01_s51
9	ROHINI. R	I M.Sc., CS	in_sigc_jf01_s52
10	VASANTHAPRIYA. K	I M.Sc., CS	in_sigc_jf01_s53
11	KIRUTHIGA. S	I M.Sc., IT	in_sigc_jf01_s54
12	KEERTHANA. N	I M.Sc., IT	in_sigc_jf01_s55
13	GEETHA. S	I M.Sc., IT	in_sigc_jf01_s56
14	DHARSHINI. K	I M.Sc., IT	in_sigc_jf01_s57
15	SHENBAGAVALLI. K	I M.Sc., IT	in_sigc_jf01_s58
16	SHARMILA. K	I M.Sc., IT	in_sigc_jf01_s59
17	DIVYA. N	I M.Sc., IT	in_sigc_jf01_s60
18	NIVETHA. R	I M.Sc., IT	in_sigc_jf01_s61
19	KEERTHANA. S	I M.Sc., IT	in_sigc_jf01_s62
20	PRABAVATHI P	III BCA	in_sigc_jf01_s63
21	TWINKLE KUMARI	III BCA	in_sigc_jf01_s64

*C. Sreedhar*  
 Oracle Academy  
 Instructor

*M. H. J.*  
**THE HEAD**  
 DEPT. OF COMPUTER SCIENCE  
 SHRIMATI INDIRA GANDHI COLLEGE  
 TRICHY



S. NO.	NAME	CLASS	3	4	5	6	7	8	10	11	12	13	14	15	16	17	18
11	A.Manisha	II MSC.IT	A.M	A.M	A.M	A.M	A.M	A.M	A.M	A.M	A.M	A.M	A.M	A.M	A.M	A.M	A.M
12	K.Viritha	II MSC.IT	K.Viritha	K.Viritha	K.Viritha	K.Viritha	K.Viritha	K.Viritha	K.Viritha	K.Viritha	K.Viritha	K.Viritha	K.Viritha	K.Viritha	K.Viritha	K.Viritha	K.Viritha
13	R.Karkuzhali	III BCA A	R.kar	R.kar	R.kar	R.kar	R.kar	R.kar	R.kar	R.kar	R.kar	R.kar	R.kar	R.kar	R.kar	R.kar	R.kar
14	V.Atchaya	III BCA A	V.Atch	V.Atch	V.Atch	V.Atch	V.Atch	V.Atch	V.Atch	V.Atch	V.Atch	V.Atch	V.Atch	V.Atch	V.Atch	V.Atch	V.Atch
15	Subhashree Sivakumar	III BCA B	Subha	Subha	Subha	Subha	Subha	Subha	Subha	Subha	Subha	Subha	Subha	Subha	Subha	Subha	Subha
16	C.Ramya	III BCA B	Ramya	Ramya	Ramya	Ramya	Ramya	Ramya	Ramya	Ramya	Ramya	Ramya	Ramya	Ramya	Ramya	Ramya	Ramya
17	M.Aishwarya	III CS A	M.AIS	M.AIS	M.AIS	M.AIS	M.AIS	M.AIS	M.AIS	M.AIS	M.AIS	M.AIS	M.AIS	M.AIS	M.AIS	M.AIS	M.AIS
18	N.Gayathri	III CS A	N.Gayathri	N.Gayathri	N.Gayathri	N.Gayathri	N.Gayathri	N.Gayathri	N.Gayathri	N.Gayathri	N.Gayathri	N.Gayathri	N.Gayathri	N.Gayathri	N.Gayathri	N.Gayathri	N.Gayathri
19	T.Raji	III CS B	T.Raj	T.Raj	T.Raj	T.Raj	T.Raj	T.Raj	T.Raj	T.Raj	T.Raj	T.Raj	T.Raj	T.Raj	T.Raj	T.Raj	T.Raj
20	R.Ramya	III CS B	R.R	R.R	R.R	R.R	R.R	R.R	R.R	R.R	R.R	R.R	R.R	R.R	R.R	R.R	R.R
21	S.Thangamani	III CS B	S.Th	S.Th	S.Th	S.Th	S.Th	S.Th	S.Th	S.Th	S.Th	S.Th	S.Th	S.Th	S.Th	S.Th	S.Th

Oracle Academy Instructor

THE HEAD  
DEPT. OF COMPUTER SCIENCE  
SHRIMATI INDIRA GANDHI COLLEGE  
TIRUCHIRAPALLI - 620 002.



**DATABASE FOUNDATION, DATABASE DESIGN, DATABASE PROGRAMMING WITH SQL**  
**ATTENDANCE FROM 21-01-2019 TO 31-03-2019 (2 HOURS PER DAY) - JANUARY 2019**

S.NO.	NAME	CLASS	21	22	23	24	25	28	29	30	31
14	NANDHINI. G.V	I M.Sc., IT	G.V.R	G.V.R	G.V.R	G.V.R	G.V.R	G.V.R	G.V.R	G.V.R	G.V.R
15	ARTHI. R	I M.Sc., IT	R.Arj	R.Arj	R.Arj	R.Arj	R.Arj	R.Arj	R.Arj	R.Arj	R.Arj
16	SIVASANKARI. S	I M.Sc., IT	S.Siva	S.Siva	S.Siva	S.Siva	S.Siva	S.Siva	S.Siva	S.Siva	S.Siva
17	ELAVARASI. T	I M.Sc., IT	T.Elav	T.Elav	T.Elav	T.Elav	T.Elav	T.Elav	T.Elav	T.Elav	T.Elav
18	ESWARI. P	I M.Sc., IT	P.Esw	P.Esw	P.Esw	P.Esw	P.Esw	P.Esw	P.Esw	P.Esw	P.Esw
19	POOJA. R	I M.Sc., IT	R.Pooj	R.Pooj	R.Pooj	R.Pooj	R.Pooj	R.Pooj	R.Pooj	R.Pooj	R.Pooj
20	NANDHINI. K	I M.Sc., IT	K.Nandh	K.Nandh	K.Nandh	K.Nandh	K.Nandh	K.Nandh	K.Nandh	K.Nandh	K.Nandh

*C. Siva*  
 Oracle Academy Instructor

*M. H. J.*  
**THE HEAD**  
 DEPT. OF COMPUTER SCIENCE  
 SHRI MATA INDIRA GANDHI COLLEGE  
 TIRUCHIRAPALLI - 620 062.



**DATABASE FOUNDATION, DATABASE DESIGN, DATABASE PROGRAMMING WITH SQL**

**ATTENDANCE FROM 21-01-2019 TO 31-03-2019 (2 HOURS PER DAY) - FEBRUARY 2019**

S.NO.	NAME	CLASS	7	8	9	11	12	13	14	15	16	18	19	20	21	22
14	NANDHINI. G.V	I M.Sc., IT	G.V.N	G.V.N	G.V.N	G.V.N	G.V.N	G.V.N	G.V.N	G.V.N	G.V.N	G.V.N	G.V.N	G.V.N	G.V.N	G.V.N
15	ARTHI. R	I M.Sc., IT	R. Ar	R. Ar	R. Ar	R. Ar	R. Ar	R. Ar	R. Ar	R. Ar	R. Ar	R. Ar	R. Ar	R. Ar	R. Ar	R. Ar
16	SIVASANKARI. S	I M.Sc., IT	S. Sank	S. Sank	S. Sank	S. Sank	S. Sank	S. Sank	S. Sank	S. Sank	S. Sank	S. Sank	S. Sank	S. Sank	S. Sank	S. Sank
17	ELAVARASI. T	I M.Sc., IT	T. Elav	T. Elav	T. Elav	T. Elav	T. Elav	T. Elav	T. Elav	T. Elav	T. Elav	T. Elav	T. Elav	T. Elav	T. Elav	T. Elav
18	ESWARI. P	I M.Sc., IT	P. Esw	P. Esw	P. Esw	P. Esw	P. Esw	P. Esw	P. Esw	P. Esw	P. Esw	P. Esw	P. Esw	P. Esw	P. Esw	P. Esw
19	POOJA. R	I M.Sc., IT	R. Poo	R. Poo	R. Poo	R. Poo	R. Poo	R. Poo	R. Poo	R. Poo	R. Poo	R. Poo	R. Poo	R. Poo	R. Poo	R. Poo
20	NANDHINI. K	I M.Sc., IT	K. Nand	K. Nand	K. Nand	K. Nand	K. Nand	K. Nand	K. Nand	K. Nand	K. Nand	K. Nand	K. Nand	K. Nand	K. Nand	K. Nand

*Class*  
Oracle Academy Instructor

  
**THE HEAD**  
 DEPT. OF COMPUTER SCIENCE  
 SHRIMATI INDIRA GANDHI COLLEGE  
 TIRUCHIRAPALLI - 620 002.





**DATABASE FOUNDATION, DATABASE DESIGN, DATABASE PROGRAMMING WITH SQL  
ATTENDANCE FROM 21-01-2019 TO 31-03-2019 (2 HOURS PER DAY) - MARCH 2019**

S.NO	NAME	CLASS	7	8	9	11	12	13	14	15	16	18	19	20	21	22	23	25
14	NANDHINI. G.V	I.M.Sc., IT	G.V.D	G.V.D	G.V.D	G.V.D	G.V.D	G.V.D	G.V.D	G.V.D	G.V.D	G.V.D	G.V.D	G.V.D	G.V.D	G.V.D	G.V.D	G.V.D
15	ARTHI. R	I.M.Sc., IT	R.A	R.A	R.A	R.A	R.A	R.A	R.A	R.A	R.A	R.A	R.A	R.A	R.A	R.A	R.A	R.A
16	SIVASANKARI. S	I.M.Sc., IT	S.Sin	S.Sin	S.Sin	S.Sin	S.Sin	S.Sin	S.Sin	S.Sin	S.Sin	S.Sin	S.Sin	S.Sin	S.Sin	S.Sin	S.Sin	S.Sin
17	ELAVARASI. T	I.M.Sc., IT	T.Laj	T.Laj	T.Laj	T.Laj	T.Laj	T.Laj	T.Laj	T.Laj	T.Laj	T.Laj	T.Laj	T.Laj	T.Laj	T.Laj	T.Laj	T.Laj
18	ESWARI. R.P	I.M.Sc., IT	P.R	P.R	P.R	P.R	P.R	P.R	P.R	P.R	P.R	P.R	P.R	P.R	P.R	P.R	P.R	P.R
19	POOJA. R	I.M.Sc., IT	P.R	P.R	P.R	P.R	P.R	P.R	P.R	P.R	P.R	P.R	P.R	P.R	P.R	P.R	P.R	P.R
20	NANDHINI. K	I.M.Sc., IT	K.Nandi	K.Nandi	K.Nandi	K.Nandi	K.Nandi	K.Nandi	K.Nandi	K.Nandi	K.Nandi	K.Nandi	K.Nandi	K.Nandi	K.Nandi	K.Nandi	K.Nandi	K.Nandi

*C. Sudh*  
Oracle Academy Instructor

*N. hrf*  
**THE HEAD**  
**DEPT. OF COMPUTER SCIENCE**  
**SHRIMATI INDIRA GANDHI COLLEGE**  
**TIRUCHIRAPALLI - 620 002.**



ANVAT JAVA FUNDAMENTALS & JAVA PROGRAMMING

ATTENDANCE FROM 07-02-2019 TO 25-03-2019 (2 HOURS PER DAY) - FEBRUARY 2019

13	GEETHA. S	I.M.Sc., IT	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha
14	DHARSHINI. K	I.M.Sc., IT	K.Dj	K.Dj	K.Dj	K.Dj	K.Dj	K.Dj	K.Dj	K.Dj	K.Dj	K.Dj	K.Dj	K.Dj	K.Dj	K.Dj
15	SHENBAGAVALLI. K	I.M.Sc., IT	K.shen	K.shen	K.shen	K.shen	K.shen	K.shen	K.shen	K.shen	K.shen	K.shen	K.shen	K.shen	K.shen	K.shen
16	SHARMILA. K	I.M.Sc., IT	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh
17	DIVYA N	I.M.Sc., IT	N.Dj	N.Dj	N.Dj	N.Dj	N.Dj	N.Dj	N.Dj	N.Dj	N.Dj	N.Dj	N.Dj	N.Dj	N.Dj	N.Dj
18	NIVETHA. R	I.M.Sc., IT	R.Nj	R.Nj	R.Nj	R.Nj	R.Nj	R.Nj	R.Nj	R.Nj	R.Nj	R.Nj	R.Nj	R.Nj	R.Nj	R.Nj
19	KEERTHANA. S	I.M.Sc., IT	S.D	S.D	S.D	S.D	S.D	S.D	S.D	S.D	S.D	S.D	S.D	S.D	S.D	S.D
20	PRABHAVATHI. P	III BCA	P.Pr	P.Pr	P.Pr	P.Pr	AAA	P.Pr	P.Pr	P.Pr	AAA	P.Pr	P.Pr	P.Pr	P.Pr	P.Pr
21	TWINKLE KUMARI	III BCA	Twinkle	Twinkle	Twinkle	Twinkle	Twinkle	Twinkle	Twinkle	Twinkle	Twinkle	Twinkle	Twinkle	Twinkle	Twinkle	Twinkle

*Cheer*

Oracle Academy Instructor

*M. HJ*

**THE HEAD**  
**DEPT. OF COMPUTER SCIENCE**  
**SHRIMATI INDIRA GANDHI COLLEGE**  
**TIRUCHIRAPALLI - 620 002.**



## JAVA FUNDAMENTALS & JAVA PROGRAMMING

ATTENDANCE FROM 07-02-2019 TO 25-03-2019 (2 HOURS PER DAY)

MARCH 2019

S.NO.	NAME	CLASS	7	8	9	11	12	13	14	15	16	18	19	20	21	22	23	25
12	KEERTHANA. N	I M.Sc, IT																
13	GEETHA. S	I M.Sc, IT	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha	S. Geetha
14	DHARSHINI. K	I M.Sc, IT	K. Diji	K. Diji	K. Diji	K. Diji	K. Diji	K. Diji	K. Diji	K. Diji	K. Diji	K. Diji	K. Diji	K. Diji	K. Diji	K. Diji	K. Diji	K. Diji
15	SHENBAGAVALLI. K	I M.Sc, IT	k. shen	k. shen	k. shen	k. shen	k. shen	k. shen	k. shen	k. shen	k. shen	k. shen	k. shen	k. shen	k. shen	k. shen	k. shen	k. shen
16	SHARMILA. K	I M.Sc, IT																
17	DIVYA. N	I M.Sc, IT	N. Diji	N. Diji	N. Diji	N. Diji	N. Diji	N. Diji	N. Diji	N. Diji	N. Diji	N. Diji	N. Diji	N. Diji	N. Diji	N. Diji	N. Diji	N. Diji
18	NIVETHA. R	I M.Sc, IT	R. Nij	R. Nij	R. Nij	R. Nij	R. Nij	R. Nij	R. Nij	R. Nij	R. Nij	R. Nij	R. Nij	R. Nij	R. Nij	R. Nij	R. Nij	R. Nij
19	KEERTHANA. S	I M.Sc, IT	S. K	S. K	S. K	S. K	S. K	S. K	S. K	S. K	S. K	S. K	S. K	S. K	S. K	S. K	S. K	S. K
20	PRABHAVATHI. P	III BCA	P. P	P. P	P. P	P. P	P. P	P. P	P. P	P. P	P. P	P. P	P. P	P. P	P. P	P. P	P. P	P. P
21	TWINKLE KUMARI	III BCA	Twinkle	Twinkle	Twinkle	Twinkle	Twinkle	Twinkle	Twinkle	Twinkle	AAA	Twinkle	Twinkle	Twinkle	Twinkle	Twinkle	Twinkle	Twinkle

*Cheerly*

Oracle Academy Instructor

**THE HEAD**  
 DEPT. OF COMPUTER SCIENCE  
 SHRIMATI INDIRA GANDHI COLLEGE  
 TRUCHIRAPALLI - 620 002.



# SHRIMATI INDIRA GANDHI COLLEGE, TRICHY

(Nationally Accredited at 'A' Grade (3<sup>rd</sup> Cycle) By NAAC)  
(Institutional Member of ICT Academy of Tamil Nadu & ORACLE ACADEMY)

## AWARD OF COURSE COMPLETION

PRESENTED TO

Ms. S.KIRUTHIGA, I M.Sc IT

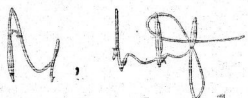
FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Java Programming  
FINAL EXAM

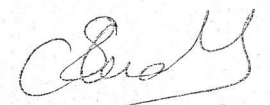
On 12.03.2019

  
Dr. M. Rema

Principal In-Charge, SIGC

  
Dr. M. Manimekalai

Depts of CS, IT & Applications, SIGC

  
Ms. C. Shyamaladevi  
Asst. Prof, Dept of CS



# SHRIMATI INDIRA GANDHI COLLEGE, TRICHY

(Nationally Accredited at 'A' Grade (3<sup>rd</sup> Cycle) By NAAC)  
(Institutional Member of ICT Academy of Tamil Nadu & ORACLE ACADEMY)

## AWARD OF COURSE COMPLETION

PRESENTED TO

Ms. K.DHARSHINI, I M.Sc IT

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Java Fundamentals  
FINAL EXAM

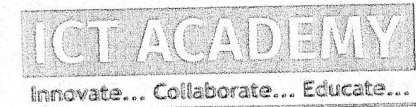
On 08.03.2019

Dr.M.Remma  
Principal In-Charge, SIGC

Dr.M.Manimekalai  
Head, Depts of CS, IT & Applications, SIGC

Ms.C.Shyamaladevi  
Asst.Prof, Dept of CS  
Oracle Academy Instructor, SIGC





# SHRIMATI INDIRA GANDHI COLLEGE, TRICHY

(Nationally Accredited at 'A' Grade (3<sup>rd</sup> Cycle) By NAAC)  
(Institutional Member of ICT Academy of Tamil Nadu & ORACLE ACADEMY)

## AWARD OF ACHIEVEMENT


PRESENTED TO


Ms. P.PRABAVATHI, III BCA

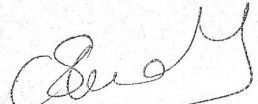
FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Java Programming  
FINAL EXAM

On 15.04.2019

  
Dr. M. Rema  
Principal In-Charge, SIGC

  
Dr. M. Manimekalai  
Head, Depts of CS, IT & Applications, SIGC

  
Ms. C. Shyamaladevi  
Asst. Prof, Dept of CS  
Oracle Academy Instructor, SIGC



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(Institutional Member of ICT Academy of Tamil Nadu & ORACLE ACADEMY)

# AWARD OF ACHIEVEMENT

PRESENTED TO

Ms. P.PRABAVATHI, III BCA

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Java Fundamentals

FINAL EXAM

On 11.04.2019

Dr.M.Remma

Principal In-Charge, SIGC

Dr.M.Manimekalai

Head, Dept of CS, IT & Applications, SIGC

Ms.C.Shyamaladev

Asst.Prof, Dept of CS

Oracle Academy Instructor, SIC



# SHRIMATI INDIRA GANDHI COLLEGE, TRICHY

(Nationally Accredited at 'A' Grade (3<sup>rd</sup> Cycle) By NAAC)  
(Institutional Member of ICT Academy of Tamil Nadu & ORACLE ACADEMY)

## AWARD OF ACHIEVEMENT

PRESENTED TO

Ms. TWINKLE KUMARI, III BCA

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Java Programming  
FINAL EXAM

On 13.04.2019

*M. Rema*

Dr. M. Rema

Principal In-Charge, SIGC

*Dr. M. Manimekalai*

Dr. M. Manimekalai

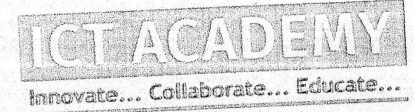
Head, Depts of CS, IT & Applications, SIGC

*Ms. C. Shyamaladevi*

Ms. C. Shyamaladevi

Asst. Prof, Dept of CS

Oracle Academy Instructor, SIGC



**SHRIMATI INDIRA GANDHI COLLEGE, TRICHY**  
(Nationally Accredited at 'A' Grade (3<sup>rd</sup> Cycle) By NAAC)  
(Institutional Member of ICT Academy of Tamil Nadu & ORACLE ACADEMY)

## **AWARD OF COURSE COMPLETION**


PRESENTED TO

**Ms. K.V. SARMILA, II M.Sc IT**

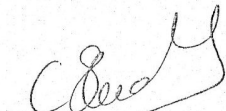
FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

**Database Design  
FINAL EXAM**

On 19.02.2019

  
**Dr. M. Rema**  
Principal In-Charge, SIGC

  
**Dr. M. Manimekalai**  
Head, Depts of CS, IT & Applications, SIGC

  
**Ms. C. Shyamaladevi**  
Asst. Prof, Dept of CS  
Oracle Academy Instructor, SIGC



# SHRIMATI INDIRA GANDHI COLLEGE, TRICHY

(Nationally Accredited at 'A' Grade (3<sup>rd</sup> Cycle) By NAAC)  
(Institutional Member of ICT Academy of Tamil Nadu & ORACLE ACADEMY)

## AWARD OF COURSE COMPLETION

PRESENTED TO

Ms. S.POONTHENDRAL, I M.Sc CS

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

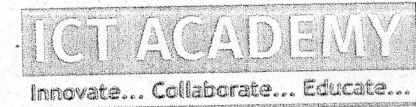
Java Fundamentals  
FINAL EXAM

On 04.04.2019

Dr.M.Remma  
Principal In-Charge, SIGC

Dr.M.Manimekalai  
Head, Depts of CS, IT & Applications, SIGC

Ms.C.Shyamaladevi  
Asst.Prof, Dept of CS  
Oracle Academy Instructor, SIGC



# SHRIMATI INDIRA GANDHI COLLEGE, TRICHY

(Nationally Accredited at 'A' Grade (3<sup>rd</sup> Cycle) By NAAC)  
(Institutional Member of ICT Academy of Tamil Nadu & ORACLE ACADEMY)

## AWARD OF COURSE COMPLETION

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Ms. K.DHARSHINI, I M.Sc IT

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

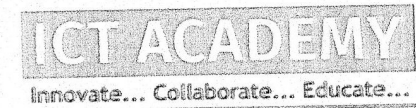
Java Fundamentals  
FINAL EXAM

On 08.03.2019

Dr.M.Remma  
Principal In-Charge, SIGC

Dr.M.Manimekalai  
Head, Depts of CS, IT & Applications, SIGC

Ms.C.Shyamaladevi  
Asst.Prof, Dept of CS  
Oracle Academy Instructor, SIGC



# SHRIMATI INDIRA GANDHI COLLEGE, TRICHY

(Nationally Accredited at 'A' Grade (3<sup>rd</sup> Cycle) By NAAC)  
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## AWARD OF ACHIEVEMENT


PRESENTED TO


Ms. P.PRABAVATHI, III BCA

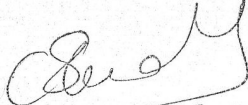
FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Java Programming  
FINAL EXAM

On 15.04.2019

  
Dr. M. Rema  
Principal In-Charge, SIGC

  
Dr. M. Manimekalai  
Head, Depts of CS, IT & Applications, SIGC

  
Ms. C. Shyamaladevi  
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Oracle Academy Instructor, SIGC



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# AWARD OF ACHIEVEMENT

PRESENTED TO

Ms. P.PRABAVATHI, III BCA

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Java Fundamentals

FINAL EXAM

On 11.04.2019

Dr.M.Remma

Principal In-Charge, SIGC

Dr.M.Manimekalai

Head, Dept of CS, IT & Applications, SIGC

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## AWARD OF ACHIEVEMENT

PRESENTED TO

Ms. TWINKLE KUMARI, III BCA

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Java Programming  
FINAL EXAM

On 13.04.2019

Dr. M. Rema

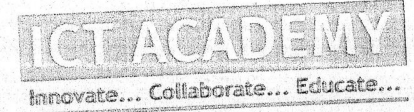
Principal In-Charge, SIGC

Dr. M. Manimekalai

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Ms. C. Shyamaladevi

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Oracle Academy Instructor, SIGC



**SHRIMATI INDIRA GANDHI COLLEGE, TRICHY**  
(Nationally Accredited at 'A' Grade (3<sup>rd</sup> Cycle) By NAAC)  
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## AWARD OF COURSE COMPLETION


PRESENTED TO

**Ms. K.V. SARMILA, II M.Sc IT**

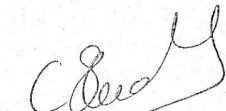
FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

**Database Design  
FINAL EXAM**

On 19.02.2019

  
**Dr. M. Rema**  
Principal In-Charge, SIGC

  
**Dr. M. Manimekalai**  
Head, Depts of CS, IT & Applications, SIGC

  
**Ms. C. Shyamaladevi**  
Asst. Prof, Dept of CS  
Oracle Academy Instructor, SIGC



# SHRIMATI INDIRA GANDHI COLLEGE, TRICHY

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## AWARD OF COURSE COMPLETION

PRESENTED TO

Ms. S.POONTHENDRAL, I M.Sc CS

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Java Fundamentals  
FINAL EXAM

On 04.04.2019

Dr.M.Remam  
Principal In-Charge, SIGC

Dr.M.Manimekalai  
Head, Depts of CS, IT & Applications, SIGC

Ms.C.Shyamaladevi  
Asst.Prof, Dept of CS  
Oracle Academy Instructor, SIGC