



K.S. INSTITUTE OF TECHNOLOGY, BANGALORE – 560109

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

TEACHING AND LEARNING

CONTENT BEYOND SYLLABUS

Academic Year	2024-25 (ODD)
Name of the Faculty	Kodur Srividya
Course Name /Code	Digital Design & Computer Organization
Semester/Section	III / C
Activity Name	Online Certification (Infosys Springboard)
Topic Covered	<ul style="list-style-type: none"><li>• VLSI Digital Design-Chip Design and Verilog Programming</li><li>• Digital Electronics-Online Digital Electronics Courses</li><li>• Combinational Digital Circuits</li><li>• Sequential Digital Circuits</li></ul>
No. of Participants	64
Objectives/Goals	<ul style="list-style-type: none"><li>• To understand digital design fundamentals and Boolean algebra for VLSI and also explore programmable logic for VLSI applications.</li><li>• Design combinational circuits and arithmetic logic circuits. And also learn about sequential circuits, state machines, and memory types.</li><li>• To acquire the basic knowledge of digital logic levels and application of knowledge to understand digital electronics circuits.</li></ul>
ICT Used	E-Learning
Appropriate Method/Instructional materials/Exam Questions	Infosys Springboard: <ul style="list-style-type: none"><li>• VLSI Digital Design-Chip Design and Verilog Programming</li><li>• Digital Electronics-Online Digital Electronics Courses</li><li>• Combinational Digital Circuits</li><li>• Sequential Digital Circuits</li></ul>
Relevant CO's	CO1, CO2
Relevant PO's	PO1,PO5,PO12
Significance of Results/Outcomes	Students were able to understand the concepts of Digital Design and its applications.
Reflective Critique	<ul style="list-style-type: none"><li>• Certification courses help students show and build their expertise in courses selected.</li><li>• It aims students to sharpen their skill sets and prepare well for their future career.</li></ul>

**Certificate Proof:**

[https://drive.google.com/drive/folders/19qvkdtu7xqaHuwMW\\_FsTJUDRtKRidRvc?usp=sharing](https://drive.google.com/drive/folders/19qvkdtu7xqaHuwMW_FsTJUDRtKRidRvc?usp=sharing)

**Sample Certificate**

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COURSE COMPLETION CERTIFICATE

The certificate is awarded to  
**Varsha Bhat**  
for successfully completing the course  
**VLSI Digital Design - Chip Design and Verilog Programming**  
on November 22, 2024



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The certificate is awarded to  
**Veerendra R**  
for successfully completing the course  
**Sequential Digital Circuits**  
on November 24, 2024



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COURSE COMPLETION CERTIFICATE

The certificate is awarded to  
**Sakshi Ramesh**  
for successfully completing the course  
**Digital Electronics- Online Digital Electronics Courses**  
on November 25, 2024



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Education, Training & Assessment of the  
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COURSE COMPLETION CERTIFICATE

The certificate is awarded to  
**Darshan K R**  
for successfully completing the course  
**Combinational Digital Circuits**  
on November 20, 2024



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Executive Vice President and Global Head  
Education, Training & Assessment of the  
Infosys Limited

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*K. Srinidya*

Signature of the Course In-charge

*D. Manjunath*

Signature of HOD  
Head of the Department  
Dept. of Computer Science & Engg  
K.S. Institute of Technology  
Bengaluru - 560 109



K.S. INSTITUTE OF TECHNOLOGY, BANGALORE – 560109

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



Online Course- Infosys Springboard completed by students

ACADEMIC YEAR:2024-2025(ODD SEMESTER)

Year/Semester/Section: II/III/C

Subject: Digital Design & Computer Organization

Sl. No.	USN	Students Name	Platform	Details Of Certification	Date of Certification
1	1KS23CS126	RUBY KUMARI R	Infosys Springboard	VLSI Digital Design- Chip Design and Verilog Programming	29/11/2024
2	1KS23CS127	RUDRESH SIDDAPPA CHAKRASALI	Infosys Springboard	Combinational Digital Circuits	26/11/2024
3	1KS23CS128	RUSHITHA K	Infosys Springboard	Digital Electronics- Online Digital Electronics Courses	27/11/2024
4	1KS23CS129	S AVINASH	Infosys Springboard	Combinational Digital Circuits	29/11/2024
5	1KS23CS130	S HARSHA	Infosys Springboard	Combinational Digital Circuits	29/11/2024
6	1KS23CS131	S SUMANTH	Infosys Springboard	Combinational Digital Circuits	29/11/2024
7	1KS23CS132	S V NAVYA	Infosys Springboard	Digital Electronics- Online Digital Electronics Courses	01/12/2024
8	1KS23CS133	SACHIN R	Infosys Springboard	Combinational Digital Circuits	25/11/2024
9	1KS23CS134	SADHANA M	Infosys Springboard	Digital Electronics- Online Digital Electronics Courses	29/11/2024
10	1KS23CS135	SAGARIKA B PATIL	Infosys Springboard	Digital Electronics- Online Digital Electronics Courses	02/12/2024
11	1KS23CS136	SAHANA D	Infosys Springboard	Digital Electronics- Online Digital Electronics Courses	26/11/2024
12	1KS23CS137	SAKSHI RAMESH	Infosys Springboard	Digital Electronics- Online Digital Electronics Courses	25/11/2024
13	1KS23CS138	SANDHYA	Infosys Springboard	VLSI Digital Design- Chip Design and Verilog Programming	29/11/2024
14	1KS23CS139	SANJANA JAGANNATHA	Infosys Springboard	Digital Electronics- Online Digital Electronics Courses	23/11/2024
15	1KS23CS140	SANJANA N	Infosys Springboard	Digital Electronics- Online Digital Electronics Courses	09/12/2024
16	1KS23CS141	SANJAY T	Infosys Springboard	Combinational Digital Circuits	22/11/2024
17	1KS23CS142	SANKETH KUMAR K R	Infosys Springboard	Combinational Digital Circuits	29/11/2024
18	1KS23CS143	SARVAGNA S RAO	Infosys Springboard	Digital Electronics- Online Digital Electronics Courses	21/11/2024
19	1KS23CS144	SHAMA SHIVARAJ		Digital Electronics-	20/11/2024

		SHETTY	Infosys Springboard	Online Digital Electronics Courses	
20	1KS23CS145	SHAMITH GOWDA A G	Infosys Springboard	Sequential Digital Circuits	29/11/2024
21	1KS23CS146	SHASHANK GOWDA U	Infosys Springboard	Combinational Digital Circuits	21/11/2024
22	1KS23CS147	SHIVA M	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	22/11/2024
23	1KS23CS149	SHRAVYA PRAKASH	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	29/11/2024
24	1KS23CS150	SHREYA S	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	21/11/2024
25	1KS23CS151	SHREYA S UPADHYA	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	22/11/2024
26	1KS23CS152	SHREYAS S	Infosys Springboard	Sequential Digital Circuits, Combinational Digital Circuits	25/11/2024, 21/11/2024
27	1KS23CS153	SHRIHARI I B	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	29/11/2024
28	1KS23CS154	SHRISHA C M	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	22/11/2024
29	1KS23CS155	SHRUSTI L	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	25/11/2024
30	1KS23CS156	SHRUSTI L	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	01/12/2024
31	1KS23CS157	SOMESH K N	Infosys Springboard	Sequential Digital Circuits, Digital Electronics-Online Digital Electronic Courses	30/11/2024, 30/11/2024
32	1KS23CS158	SRAVYA ILLURI	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	24/11/2024
33	1KS23CS159	SRIGOWRI S KULKARNI	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	26/11/2024
34	1KS23CS160	SUDARSHAN VEERABHADRAPPA GONDI	Infosys Springboard	Sequential Digital Circuits	29/11/2024
35	1KS23CS161	SUDHANVA K JOSHI	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	29/11/2024
36	1KS23CS162	SUREKHA T S	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	21/11/2024
37	1KS23CS163	T S R SRIRAGA	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	23/11/2024
38	1KS23CS164	TALLURU SAHITHYA	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	25/11/2024
39	1KS23CS166	TARUN R	Infosys Springboard	Digital Electronics-	30/11/2024

				Online Digital Electronics Courses	
40	1KS23CS167	THANUSHREE V S	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	22/11/2024
41	1KS23CS168	UJWAL G NAIK	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses, Sequential Digital Circuits	30/11/2024, 30/11/2024
42	1KS23CS169	VARNIKA G	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	02/12/2024
43	1KS23CS170	VARSHA D R	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	29/11/2024
44	1KS23CS171	VARSHA DATTATREYA BHAT	Infosys Springboard	VLSI Digital Design-Chip Design and Verilog Programming	22/11/2024
45	1KS23CS172	VARSHA S K	Infosys Springboard	VLSI Digital Design-Chip Design and Verilog Programming	28/11/2024
46	1KS23CS173	VARSHITHA	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	27/11/2024
47	1KS23CS175	VATSAL VIGNESH B C	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	24/11/2024
48	1KS23CS176	VEERENDRA R	Infosys Springboard	Sequential Digital Circuits Combinational Digital Circuits	24/11/2024, 21/11/2024
49	1KS23CS177	VENKAT S S	Infosys Springboard	Sequential Digital Circuits, Combinational Digital Circuits	24/11/2024, 24/11/2024
50	1KS23CS178	VIGASINI S	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	22/11/2024
51	1KS23CS179	VIJAYALAKSHMI C	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	25/11/2024
52	1KS23CS180	VIKAS K B	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	24/11/2024
53	1KS23CS182	VISHAL R	Infosys Springboard	Combinational Digital Circuits	27/11/2024
54	1KS23CS183	VISHAL T K	Infosys Springboard	Combinational Digital Circuits	27/11/2024
55	1KS23CS185	VUNNAM THANUJA	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	26/11/2024
56	1KS23CS186	YASHASWI R	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	22/11/2024
57	1KS23CS187	YASHASWINI K T	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	24/11/2024
58	1KS23CS188	YASHASWINI S	Infosys Springboard	Digital Electronics-Online Digital Electronics Courses	29/11/2024
59	DIP	DARSHAN K R	Infosys Springboard	Combinational Digital	20/11/2024

				Circuits	
60	DIP	RACHANA	Infosys Springboard	VLSI Digital Design- Chip Design and Verilog Programming	20/11/2024
61	DIP	GAGAN GOWDA D	Infosys Springboard	Combinational Digital Circuits	27/11/2024
62	DIP	VARSHINI J	Infosys Springboard	VLSI Digital Design- Chip Design and Verilog Programming	17/11/2024
63	DIP	KEERTHAN A	Infosys Springboard	Combinational Digital Circuits	27/11/2024
64	DIP	RAKESH R	Infosys Springboard	Combinational Digital Circuits	26/11/2024

*K. Smidya*

Signature of Faculty-In charge

*[Handwritten Signature]*

**Signature of HOD** Department  
Dept. of Computer Science & Engg  
K.S. Institute of Techno - BY  
Bengaluru - 560 109



**K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**TEACHING AND LEARNING**

**CONTENT BEYOND SYLLABUS REPORT**

Academic Year	2024-25(Odd)
Name of the Faculty	Mr. Abhilash L Bhat
Course Name /Code	Operating Systems (BCS303)
Semester/Section	3 <sup>rd</sup> A/B
Activity Name	Online Certification (Infosys Springboard)
Topic Covered	Operating Systems.
No. of Participants	136/136
Objectives/Goals	<ul style="list-style-type: none"><li>• To understand the topic more precisely</li><li>• To improve the self-learning skills of students</li></ul>
ICT Used	E-Learning
Appropriate Method/Instructional Materials/Exam Questions: <ul style="list-style-type: none"><li>• Infosys Springboard: Operating Systems.</li></ul>	
Relevant CO's	CO1,CO2,CO3,CO4,CO5
Relevant PO's:	PO9, PO10
Significance of Results/Outcomes	<ul style="list-style-type: none"><li>• Students were able to understand the Concepts of Operating Systems.</li></ul>
Reflective Critique	<ul style="list-style-type: none"><li>• Certification courses help students show and build their expertise in <i>Courses selected</i></li><li>• Certification courses aim to help students sharpen their skill sets and get prepared for the workplace.</li><li>• The activity provided a platform for students to apply their knowledge of Operating Systems.</li></ul>

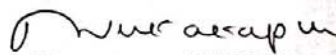
Proofs

[https://drive.google.com/drive/folders/1tLBtqZ5UIoR\\_CgnpijZTTFHJNUsFNpy?usp=sharing](https://drive.google.com/drive/folders/1tLBtqZ5UIoR_CgnpijZTTFHJNUsFNpy?usp=sharing)

Sample copy of the certificate attached



  
Signature of Course In charge

  
Signature of HOD

Head of the Department  
Dept. of Computer Science & Engg  
K.S. Institute of Technology  
Bengaluru -560 109





**K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**TEACHING AND LEARNING**

**CONTENT BEYOND SYLLABUS REPORT**

<b>Academic Year</b>	2024-2025(odd)
<b>Name of the Faculty</b>	Dr. Vijayalaxmi Mekali
<b>Course Name /Code</b>	Data structures and Applications (BCS304)
<b>Semester/Section</b>	3 <sup>rd</sup> A and C
<b>Activity Name</b>	Study of Advanced Datastructure Concepts
<b>Topic Covered</b>	AVL tree concepts
<b>No. of Participants</b>	130/135
<b>Objectives/Goals</b>	<ul style="list-style-type: none"><li>• To understand the optimization trees topic more precisely</li><li>• To improve the thinking capability of students</li></ul>
<b>ICT Used</b>	Projector
<b>Appropriate Method/Instructional Materials/Exam Questions: PPT</b>	
<b>Relevant CO's</b>	CO1, C02, CO3, CO4, CO5
<b>Relevant PO's:</b>	PO9, PO10, PO12
<b>Significance of Results/Outcomes</b>	<ul style="list-style-type: none"><li>• Students were able to understand the Concepts of AVL trees and its applications.</li></ul>
<b>Reflective Critique</b>	<ul style="list-style-type: none"><li>• Learning of Different topics of optimization tree helps the students to improve their self-capability thinking</li><li>• Advanced Datastructure concepts teaching aim to help students sharpen their skill sets and prepare for the workplace.</li><li>• The activity provided a platform for students to apply their knowledge of Datastructure.</li></ul>
<b>Proofs :</b> Sample copy of the PPT is attached	

## AVL TREE



### AVL TREE

#### Definition

An AVL tree is a Binary Search Tree in which the heights of the two subtrees of every node differ maximum by 1. That is the height of the Left SubTree (LST) minus height of the Right SubTree (RST) can be 0, 1, or -1. If this condition satisfies for each node in the binary tree, then it is called AVL tree.

It is type of binary tree / variant of Binary Search Tree (BST)

It is self balancing BST (that is it is height balancing BST)

Invented by Adelson Velsky Lindas (AVL) tree.

Self balancing means balancing height of left and right subtrees.

Balancing of height of left and right subtrees is achieved by Balancing factor.

In an AVL tree each node is associated with balance factor which is the height of LST minus height of RST. Balancing factor is 0, 1, -1

That is every node must have a balancing factor of 0 or 1 or -1

Balancing factor = Height of left subtree - Height of right subtree

07.01.2025

Dr. Vijayalaxmi Mekali, Prof. Dept. of CSE

Dept of CSE

KSIT

3

## AVL TREE



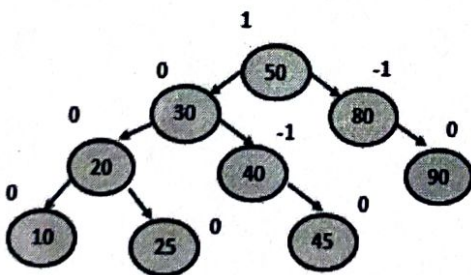
### AVL TREE

#### Definition

Balance factor is 0: If the height of LST and height of RST is same.

Balance factor is 1: If the height of LST is one more than height of RST.

Balance factor is -1: If the height of LST is 1 less than height of RST.



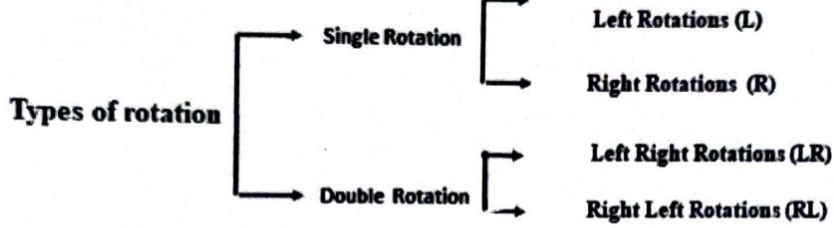
Node	Height of LST	Height of RST	Balancing Factor Height(LST)-Height(RST)
50	3	2	1
30	2	2	0
80	0	1	-1
20	1	1	0
40	0	1	-1
90	0	0	0
10	0	0	0
25	0	0	0
45	0	0	0

07.01.2025

Dr. Vijayalaxmi Mekali, Prof. Dept. of CSE

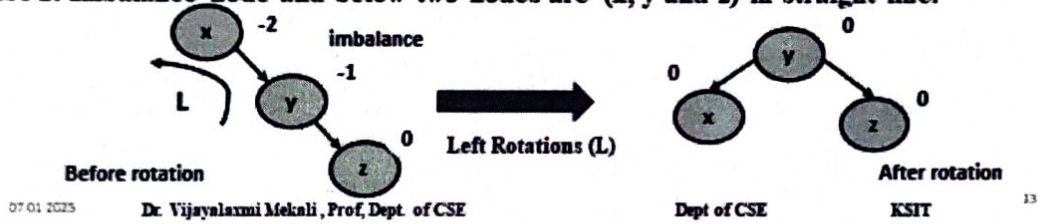
# AVL TREE

## AVL TREE - Creating AVL tree

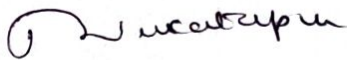


**Left Rotations (L) :** If the balance factor of a node where imbalance occurs is  $-2$ , then the tree is heavy towards right. To balance it rotate subtree towards left

**Case 1: Imbalance node and below two nodes are (x, y and z) in straight line.**



  
Signature of Course In charge

  
Signature of HOD




KSIT, Bengaluru

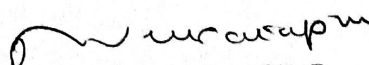
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Content Beyond Syllabus

Academic Year	2024-2025 [Odd Semester]		
Batch	2023-2027		
Year/Semester/section	II/III/B		
Subject Code-Title	BCS304- Data Structures and Applications		
Name of the Instructor	Mr.RAGHAVENDRACHAR S	Dept	CSE

Sl.No	Programs	K Level
1.	<b>Develop</b> a C program to implement queue using singly linked list (SLL)	<b>Applying</b>
2.	<b>Develop</b> a C program to implement menu driven program to perform following operations with respect to singly linked list (SLL) <ul style="list-style-type: none"><li>➤ Concatenation of two lists</li><li>➤ Reverse of a list</li><li>➤ Searching for a key node</li><li>➤ Display and count the number of nodes</li></ul>	<b>Applying</b>
3.	<b>Develop</b> a C program to implement the following operations with respect to singly linked list (SLL). <ul style="list-style-type: none"><li>➤ Create a three-node list with data 10, 20 and 30.</li><li>➤ Insert a node with the data value 15 in between the nodes having the values 10 and 20.</li><li>➤ Delete the node whose data is 20.</li><li>➤ Display the resulting SLL.</li></ul>	<b>Applying</b>
4.	<b>Develop</b> a C program to insert an element in to a Binary tree.	<b>Applying</b>
5.	<b>Develop</b> a C program for the following operation on Graph (G) of cities: <ul style="list-style-type: none"><li>➤ Create a graph of N cities using adjacency matrix</li><li>➤ Print all the nodes reachable from a given starting node in a diagraph using BFS/ DFS method.</li></ul>	<b>Applying</b>

  
Signature of Course In Charge

  
Signature of HoD



K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
TEACHING AND LEARNING

CONTENT BEYOND SYLLABUS REPORT

Academic Year	2024-2025(ODD)
Name of the Faculty	SHRUTHI T S
Course Name /Code	OOP WITH JAVA/BSC306A
Semester/Section	III A
Activity Name	INFOSYS SPRINGBOARD:CERTIFICATE
Topic Covered	<b>Module-1:</b> An Overview of Java, Data Types, Variables, and Arrays, Data Types, Variables, and Arrays, Control Statements <b>Module-2:</b> Introducing Classes, Methods and Classes <b>Module-3:</b> Inheritance, Interfaces <b>Module-4:</b> Packages, Exceptions <b>Module-5:</b> Multithreaded Programming, Enumerations, Type Wrappers and Autoboxing
No. of Participants	69
Objectives/Goals	<ul style="list-style-type: none"><li>• To learn primitive constructs JAVA programming language.</li><li>• To understand Object Oriented Programming Features of JAVA.</li><li>• To gain knowledge on: packages, multithreaded programming and exceptions</li></ul>
ICT Used	Google forms
Appropriate Method/Instructional Materials/Exam Questions:	The students of the class were provided with the following : <ol style="list-style-type: none"><li>1. OOP's Concept</li><li>2. Control Statements</li><li>3. Inheritance, Interface</li><li>4. Exception handling</li><li>5. Thread concepts</li></ol>
Relevant CO's	CO1,CO2,CO3,CO4,CO5
Relevant PO's:	PO1,PO2,PO3,PO9
Significance of Results/Outcomes	<ul style="list-style-type: none"><li>• Students were able to understand the basics of JAVA.</li></ul>
Reflective Critique	<ul style="list-style-type: none"><li>• The main goal of QUIZ is how well students understand concepts and will be able to manage the time</li></ul>

**Proofs :**

**Sample copy of the certificate attached**

<https://forms.gle/KfrEFS38nmwJacSh8>



## COURSE COMPLETION CERTIFICATE

The certificate is awarded to

**Anvitha T A**

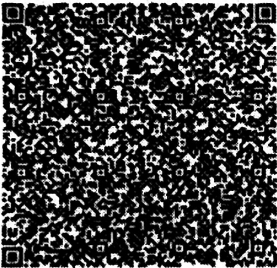
for successfully completing the course

**Programming in Core Java**

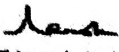
on October 24, 2024

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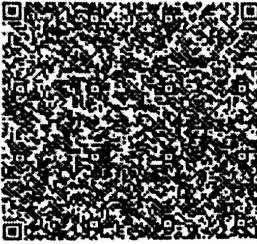
Issued on: Friday, October 25, 2024  
To verify, scan the QR code at <https://verify.onwingspan.com>

  
**Thirumala Arohi**  
Executive Vice President and Global Head  
Education, Training & Assessment (ETA)  
Infosys Limited



## COURSE COMPLETION CERTIFICATE

The certificate is awarded to  
**Aishwarya narayana**  
for successfully completing the course  
Introduction to Java  
on October 25, 2024

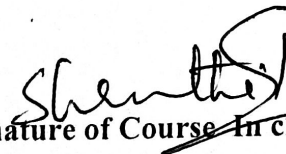


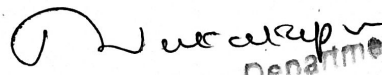
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**Infosys | Springboard**

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Thirumala Arohi  
Executive Vice President and Global Head  
Education, Training & Assessment (ETA)  
Infosys Limited

  
Signature of Course In charge

  
Signature of HOD  
Head of the Department  
Dept. of Computer Science & Engg  
K.S. Institute of Technology  
Bengaluru -560 109



**K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**TEACHING AND LEARNING**

**CONTENT BEYOND SYLLABUS REPORT**

<b>Academic Year</b>	<b>2024-2025(ODD)</b>
<b>Name of the Faculty</b>	<b>RAMYA R</b>
<b>Course Name /Code</b>	<b>OOP WITH JAVA/BSC306A</b>
<b>Semester/Section</b>	<b>III B</b>
<b>Activity Name</b>	<b>INFOSYS SPRINGBOARD:CERTIFICATE</b>
<b>Topic Covered</b>	<b>Module-1:</b> An Overview of Java, Data Types, Variables, and Arrays, Data Types, Variables, and Arrays, Control Statements <b>Module-2:</b> Introducing Classes, Methods and Classes <b>Module-3:</b> Inheritance, Interfaces <b>Module-4:</b> Packages, Exceptions <b>Module-5:</b> Multithreaded Programming, Enumerations, Type Wrappers and Autoboxing
<b>No. of Participants</b>	<b>68</b>
<b>Objectives/Goals</b>	To learn primitive constructs JAVA programming language. • To understand Object Oriented Programming Features of JAVA. • To gain knowledge on: packages, multithreaded programming and exceptions
<b>ICT Used</b>	<b>Google forms</b>
<b>Appropriate Method/Instructional Materials/Exam Questions:</b>	
The students of the class were provided with the following : 1. OOP's Concept 2. Control Statements 3. Inheritance, Interface 4. Exception handling 5. Thread concepts	
<b>Relevant CO's</b>	<b>CO1,CO2,CO3,CO4,CO5</b>
<b>Relevant PO's:</b>	<b>PO1,PO2,PO3,PO9</b>
<b>Significance of Results/Outcomes</b>	<ul style="list-style-type: none"><li>• Students were able to understand the basics of JAVA.</li></ul>
<b>Reflective Critique</b>	<ul style="list-style-type: none"><li>• The main goal of QUIZ is how well students understand concepts and will be able to manage the time</li></ul>



**Proofs :**

**Sample copy of the certificate attached**

<https://forms.gle/QRrmePH7Qzap7Dvk9>

1ks23LS099

**Infosys**  
Navigate your next

## COURSE COMPLETION CERTIFICATE

The certificate is awarded to

**NIVEDITHA NAG NVS**

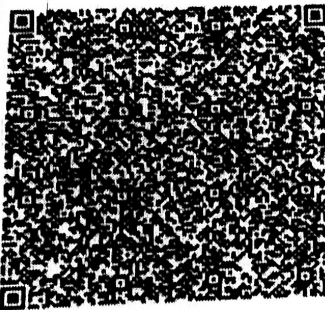
for successfully completing the course

**Java Programming Fundamentals**

on October 25, 2024

**Infosys | Springboard**

*Congratulations! You make us proud!*



Issued on: Friday, October 25, 2024  
To verify, scan the QR code at <https://verify.onwingspan.com>

A handwritten signature in black ink, appearing to read 'Arohi'.

**Thirumala Arohi**  
Executive Vice President and Global  
Education, Training & Assessment  
Infosys Limited

## COURSE COMPLETION CERTIFICATE

The certificate is awarded to

**Swathi G A**

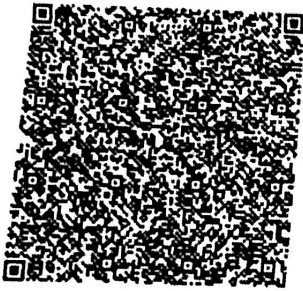
for successfully completing the course

**Java for Beginners**

on December 4, 2024

**Infosys | Springboard**

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Issued on: Thursday, December 5, 2024  
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Thirumala Arohi  
Executive Vice President and Global Head  
Education, Training & Assessment (ETA)  
Infosys Limited

Signature of Course In charge

Signature of HOD  
Head of the Department  
Dept. of Computer Science & Engg  
K.S. Institute of Technology  
Bengaluru - 560 109



K.S. INSTITUTE OF TECHNOLOGY, BANGALORE – 560109

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

TEACHING AND LEARNING

**CONTENT BEYOND SYLLABUS**

Academic Year	2024-25 (ODD)
Name of the Faculty	SUMA RAJESH ANANTHAKRISHNA
Course Name /Code	Object Oriented Programming with JAVA/ BCS306A
Semester/Section	III / C
Activity Name	Online Certification (Infosys Springboard)
Topic Covered	<ul style="list-style-type: none"><li>• JAVA OOPS Concepts</li><li>• Programming in Core Java</li></ul>
No. of Participants	61/67
Objectives/Goals	<ul style="list-style-type: none"><li>• To understand the concept of Object Oriented Programming in JAVA language</li><li>• To improve self Learning skills of students</li></ul>
ICT Used	E-Learning
Appropriate Method/Instructional materials/Exam Questions  Infosys Springboard: Programming in Core JAVA, JAVA oops Concept.	
Relevant CO's	CO1,CO2,CO3,CO4,CO5
Relevant PO's	PO5, PO9,PO10,PO12
Significance of Results/Outcomes	Students were able to understand the OOP concept of JAVA.
Reflective Critique	<ul style="list-style-type: none"><li>• Certification courses help students show and build their expertise in courses selected.</li><li>• It aims students to sharpen their skill sets and prepare well for their future career</li><li>• The activity provided the platform for students to apply their knowledge of Automata theory.</li></ul>
<b><u>Drive Link:</u></b>  <b><u>Certificate Proof:</u></b>  <a href="https://drive.google.com/drive/folders/1vc2f0-8ZqxdAgXMjdWO_xMKH4g4vMKsg?usp=drive_link">https://drive.google.com/drive/folders/1vc2f0-8ZqxdAgXMjdWO_xMKH4g4vMKsg?usp=drive_link</a>	
<b><u>Sample Certificate</u></b>	



### COURSE COMPLETION CERTIFICATE

The certificate is awarded to

**Sarvagna Rao**

for successfully completing the course

Java OOPs Concepts

on November 21, 2024

Infosys | Springboard

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Issued on Friday, November 22, 2024  
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Thirumala Arohi  
Executive Vice President and Global Head  
Education, Training & Assessment (ETA)  
Infosys Limited



### COURSE COMPLETION CERTIFICATE

The certificate is awarded to

**Ruby Kumari.R Ruby Kumari.R**

for successfully completing the course

Programming in Core Java

on November 11, 2024

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Issued on Wednesday, November 13, 2024  
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Thirumala Arohi  
Executive Vice President and Global Head  
Education, Training & Assessment (ETA)  
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Signature of the Course In-charge

Signature of HOD

Head of the Department  
Dept of Computer Science & Engg  
K.S. Institute of Technology  
Bengaluru -560 109



K.S. INSTITUTE OF TECHNOLOGY, BANGALORE – 560109

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Online Course- Infosys Springboard completed by students

ACADEMIC YEAR:2024-2025

Semester / Section : III/ C

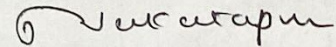
Sub: Object Oriented Programming with JAVA

Sl. No.	USN	Name	Platform	Date of Certification
1	1KS23CS126	RUBY KUMARI R	Infosys Springboard	11/11/2024
2	1KS23CS127	RUDRESH SIDDAPPA CHAKRASALI	Infosys Springboard	26/11/2024
3	1KS23CS131	S SUMANTH	Infosys Springboard	28/11/2024
4	1KS23CS132	S V NAVYA	Infosys Springboard	22/11/2024
5	1KS23CS133	SACHIN R	Infosys Springboard	19/11/2024
6	1KS23CS134	SADHANA M	Infosys Springboard	22/11/2024
7	1KS23CS135	SAGARIKA B PATIL	Infosys Springboard	30/11/2024
8	1KS23CS136	SAHANA D	Infosys Springboard	12/11/2024
9	1KS23CS136	SAHANA D	NPTEL Online	Jul-Aug 2024
10	1KS23CS137	SAKSHI RAMESH	Infosys Springboard	12/11/2024
11	1KS23CS138	SANDHYA	Infosys Springboard	22/11/2024
12	1KS23CS139	SANJANA JAGANNATHA	Infosys Springboard	23/11/2024
13	1KS23CS141	SANJAY T	Infosys Springboard	22/11/2024
14	1KS23CS142	SANKET KUMAR K	Infosys Springboard	27/11/2024
15	1KS23CS143	SARVAGNA S RAO	Infosys Springboard	21/11/2024
16	1KS23CS144	SHAMA SHIVRAJ SHETTY	Infosys Springboard	08/11/2024
17	1KS23CS146	SHASHANK GOWDA U	Infosys Springboard	20/11/2024
18	1KS23CS147	SHIVA M	Infosys Springboard	21/11/2024
19	1KS23CS149	SHRAVYA PRAKASH	Infosys Springboard	23/11/2024
20	1KS23CS150	SHREYA S	Infosys Springboard	21/11/2024
21	1KS23CS151	SHREYA S UPADHYA	Infosys Springboard	11/11/2024
22	1KS23CS152	SHREYAS S	Infosys Springboard	21/11/2024
23	1KS23CS153	SHRIHARI I B	Infosys Springboard	22/11/2024
24	1KS23CS154	SHRISHA C M	Infosys Springboard	21/11/2024
25	1KS23CS155	SHRUSTI L	Infosys Springboard	24/11/2024
26	1KS23CS156	SHRUSTI L	Infosys Springboard	22/11/2024
27	1KS23CS157	SOMESH KN	Infosys Springboard	21/11/2024
28	1KS23CS158	SRAVYA ILLURI	Infosys Springboard	24/11/2024
29	1KS23CS161	SUDHANVA K JOSHI	Infosys Springboard	21/11/2024
30	1KS23CS162	SUREKHA T S	Infosys Springboard	08/11/2024
31	1KS23CS163	T S R SRIRAGA	Infosys Springboard	14/11/2024
32	1KS23CS164	TALLURU SAHITHYA	Infosys Springboard	20/11/2024
33	1KS23CS166	TARUN R	Infosys Springboard	20/11/2024
34	1KS23CS167	THANUSHREE V S	Infosys Springboard	11/11/2024
35	1KS23CS168	UJWAL G NAIK	Infosys Springboard	30/11/2024
36	1KS23CS169	VARNIKA G	Infosys Springboard	1/12/2024
37	1KS23CS170	VARSHA D R	Infosys Springboard	25/11/2024
38	1KS23CS171	VARSHA DATTATREYA BHAT	Infosys Springboard	07/11/2024
39	1KS23CS172	VARSHA S K	Infosys Springboard	25/11/2024
40	1KS23CS173	VARSHITHA	Infosys Springboard	18/11/2024

41	1KS23CS175	VATSAL VIGNESH B C	Infosys Springboard	18/11/2024
42	1KS23CS176	VEERENDRA R	Infosys Springboard	11/11/2024
43	1KS23CS176	VEERENDRA R	Infosys Springboard	11/12/2024
44	1KS23CS177	VENKAT S S	Infosys Springboard	24/11/2024
45	1KS23CS177	VENKAT S S	Infosys Springboard	24/11/2024
46	1KS23CS178	VIGASINI S	Infosys Springboard	11/11/2024
47	1KS23CS179	VIJAYALAKSHMI C	Great Learning	December 2024
48	1KS23CS180	VIKAS K B	Infosys Springboard	18/11/2024
49	1KS23CS181	VINITH M R	Infosys Springboard	3/12/2024
50	1KS23CS182	VISHAL R	Infosys Springboard	18/11/2024
51	1KS23CS183	VISHAL T K	Infosys Springboard	27/11/2024
52	1KS23CS185	VUNNAM THANUJA	Infosys Springboard	12/11/2024
53	1KS23CS187	YASHASWINI K T	Infosys Springboard	28/10/2024
54	1KS23CS188	YASHASWINI S	Infosys Springboard	22/11/2024
55	DIP	DARSHAN K R	Infosys Springboard	11/11/2024
56	DIP	RACHANA	Infosys Springboard	11/11/2024
57	DIP	RACHANA	Infosys Springboard	29/10/2024
58	DIP	GAGAN GOWDA D	Infosys Springboard	27/11/2024
59	DIP	VARSHINI J	Infosys Springboard	06/11/2024
60	DIP	KEERTHAN A	Infosys Springboard	30/11/2024
61	DIP	RAKESH R	Infosys Springboard	16/11/2024



Signature of Faculty-Incharge



Signature of HOD



Head of the Department  
 Dept. of Computer Science & Engg  
 K. J. Somaiya Institute of Technology  
 Mumbai - 400 088




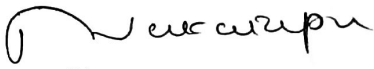
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CONTENT BEYOND SYLLABUS

Academic Year	2024-2025(ODD)
Name of the Faculty	Mrs. Shruthi T S
Course Name /Code	SOCIAL CONNECT & RESPONSIBILITY(BSCK307)
Semester/Section	III/ "A" SEC
Activity Name	Module wise Presentation
Date	03/12/2024 to 06/12/2024
No. of Participants	69
Objectives/Goals	<ul style="list-style-type: none"><li>To improve the self-learning skills of students.</li><li>To improve the Communication skills of students.</li></ul>
ICT Used	Online mode
Appropriate Method/Instructional materials/Exam Questions	<ul style="list-style-type: none"><li>Initially delivered lecture and explained some examples on given topics.</li><li>Students are given with additional information/sources from which they can prepare innovatively and present on the same in Exhibition.</li></ul>
Relevant CO's:	CO1,CO2,CO3,CO4,CO5
Relevant PO's:	PO1,PO2,PO3,PO5,P9,P10
Significance of Results/Outcomes	<ul style="list-style-type: none"><li>Students tried to open up and improve their Social connectivity skills and communication skills.</li></ul>
Reflective Critique	<ul style="list-style-type: none"><li>The activity improved the learning and communication skills of students.</li><li>The activity provided a platform for students to interact with peers, improve their communication skills and work as individuals</li></ul>
Proofs(Photographs/Videos/Report/Charts/Models):	<p><a href="https://forms.gle/sCjwMH4C9kU2HwQSA">https://forms.gle/sCjwMH4C9kU2HwQSA</a></p> <div style="display: flex; justify-content: space-around;"></div>

  
Signature of Course In charge

  
Signature of HOD  
of the Department  
Computer Science  
Institute of Techno...  
Bangaluru -560 109



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING


CONTENT BEYOND SYLLABUS

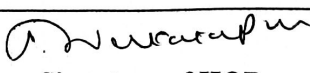
Academic Year	2024-2025(ODD)
Name of the Faculty	Mrs. RAMYA R
Course Name /Code	SOCIAL CONNECT & RESPONSIBILITY(BSCK307)
Semester/Section	III/ "B" SEC
Activity Name	Module wise Presentation
Date	03/12/2024 to 06/12/2024
No. of Participants	68
Objectives/Goals	<ul style="list-style-type: none"><li>To improve the self-learning skills of students.</li><li>To improve the Communication skills of students.</li></ul>
ICT Used	Online mode
<b>Appropriate Method/Instructional materials/Exam Questions</b> <ul style="list-style-type: none"><li>Initially delivered lecture and explained some examples on given topics.</li><li>Students are given with additional information/sources from which they can prepare innovatively and present on the same in Exhibition.</li></ul>	
Relevant CO's:	CO1,CO2,CO3,CO4,CO4
Relevant PO's:	PO1,PO2,PO3,PO5,P9,P10
Significance of Results/Outcomes	<ul style="list-style-type: none"><li>Students tried to open up and improve their Social connectivity skills and communication skills.</li></ul>
Reflective Critique	<ul style="list-style-type: none"><li>The activity improved the learning and communication skills of students.</li><li>The activity provided a platform for students to interact with peers, improve their communication skills and work as individuals</li></ul>

**Proofs(Photographs/Videos/Report/Charts/Models):**

<https://forms.gle/zJ4vBfqdi5jg4NVK8>



  
Signature of Course In charge

  
Signature of HOD  
Head of the Department  
Dept. of Computer Science & Engg  
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Bengaluru -560 109





**K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**TEACHING AND LEARNING**

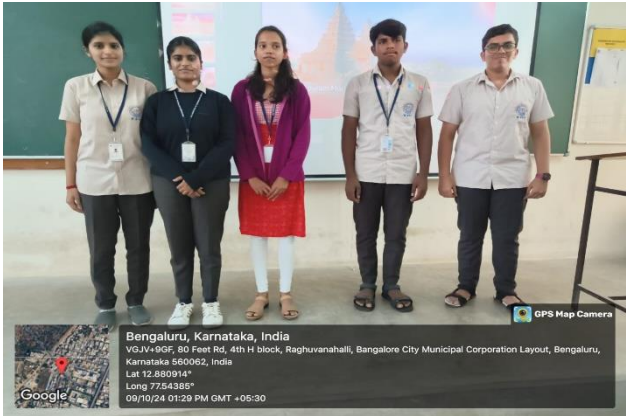
**CONTENT BEYOND SYLLABUS REPORT**

<b>Academic Year</b>	<b>2024-2025 (ODD)</b>
<b>Name of the Faculty</b>	<b>NAMYAPRIYA D</b>
<b>Course Name /Code</b>	<b>SOCIAL CONNECT &amp; RESPONSIBILITY(BSCK307)</b>
<b>Semester/Section</b>	<b>III / C</b>
<b>Activity Name</b>	<b>PRESENTATION ON SCR TOPICS</b>
<b>Topic Covered</b>	<b>Module-1:</b> Plantation and adoption of a tree <b>Module-2:</b> Heritage walks and crafts corner <b>Module-3:</b> Organic farming and waste management <b>Module-4:</b> Water conservation <b>Module-5:</b> Food walk
<b>No. of Participants</b>	<b>67</b>
<b>Objectives/Goals</b>	<ol style="list-style-type: none"><li><b>Promote Environmental Awareness:</b> Foster a sense of responsibility for sustainable practices (e.g., tree plantation, organic farming, water conservation).</li><li><b>Cultural and Heritage Conservation:</b> Enhance understanding and appreciation of cultural heritage through walks and craft showcases.</li><li><b>Community Engagement:</b> Strengthen community ties via collaborative food walks and shared activities.</li><li><b>Practical Skill Development:</b> Impart hands-on knowledge in farming, waste management, and water conservation techniques.</li><li><b>Holistic Learning:</b> Integrate theoretical knowledge with experiential learning for societal impact.</li></ol>
<b>ICT Used</b>	<b>Presentations</b>
<b>Appropriate Method/Instructional Materials/Exam Questions:</b> <b>Methods:</b> <ul style="list-style-type: none"><li><b>Field Visits:</b> Hands-on experiences in organic farms or tree plantations.</li><li><b>Workshops:</b> Practical sessions on crafts, waste segregation, or rainwater harvesting.</li><li><b>Group Activities:</b> Collaborative projects like food walks or community cleaning drives.</li></ul> <b>Instructional Materials:</b> <ul style="list-style-type: none"><li>Posters and charts for awareness campaigns.</li><li>Case studies on successful water conservation or heritage preservation initiatives.</li><li>Interactive models for organic farming or waste composting systems.</li></ul>	
<b>Relevant CO's</b>	<ol style="list-style-type: none"><li>Demonstrate understanding of sustainable practices and their impact on the environment.</li><li>Analyze cultural and community dynamics through heritage and food-related activities.</li><li>Apply practical skills in waste management, farming, and conservation efforts.</li><li>Exhibit teamwork and leadership in organizing and participating in SCR activities.</li></ol>

	5. Assess the societal benefits of sustainable and cultural practices.
<b>Relevant PO's:</b>	<b>PO5, PO7, PO8, PO9 &amp; PO10</b>
<b>Significance of Results/Outcomes</b>	<p><b>1. Environmental Impact:</b></p> <ul style="list-style-type: none"> <li>○ Increased green cover and biodiversity through tree plantations.</li> <li>○ Reduced waste and pollution via effective waste management practices.</li> </ul> <p><b>2. Community Benefits:</b></p> <ul style="list-style-type: none"> <li>○ Strengthened local economy by promoting heritage tourism and food walks.</li> <li>○ Enhanced community participation and cultural preservation.</li> </ul> <p><b>3. Personal Growth:</b></p> <ul style="list-style-type: none"> <li>○ Development of practical skills and increased awareness of sustainability.</li> <li>○ Improved leadership, teamwork, and problem-solving abilities.</li> </ul> <p><b>4. Long-term Societal Impact:</b></p> <ul style="list-style-type: none"> <li>○ Fostering a generation of socially and environmentally conscious individuals.</li> <li>○ Contribution to national and global sustainable development goals.</li> </ul>
<b>Reflective Critique</b>	<p>The SCR activities effectively achieved their objectives, promoting environmental sustainability, cultural preservation, and community engagement through hands-on experiences like tree plantations, heritage walks, and food trails. ICT tools such as presentations, apps, and virtual tours enhanced learning, but more advanced tools could improve engagement further. The outcomes aligned well with COs and POs, fostering skills in sustainability, teamwork, and communication, though some long-term impacts require better tracking mechanisms. Challenges included limited resources and participation, highlighting the need for stronger partnerships and follow-up strategies. Overall, the program demonstrated meaningful impact, with opportunities for growth in inclusivity, scalability, and long-term monitoring.</p>

**Proofs:**

**Sample copy of the certificate attached**





Bengaluru, Karnataka, India  
 5, Layout, Raghuvanahalli, Bangalore City Municipal Corporation Layout, Bengaluru, Karnataka 560062, India  
 Lat: 12.879005°  
 Long: 77.544304°  
 09/10/24 02:23 PM GMT +05:30



*Name*  
 Signature of Course In-charge

*[Signature]*  
 Signature of HOD  
 Head of the Department  
 Dept. of Computer Science & Engg  
 K.S. Institute of Technology  
 Bengaluru -560 109



**K.S. INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**ACADEMIC YEAR 2023-24 (ODD SEM)**

**Year/Semester/Section: II/ III / C**

SL.NO	USN	NAME OF THE STUDENT	TOPICS ASSIGNED
1	1KS23CS126	RUBY KUMARI R	Module1 - Importance of Urban Tree Planting Module 2- Jaipur Module 3 - Medical Waste Management Module 4- Impact Of Industrial Water Use And Conservation Module 5 - Role Of Food Walk In Promoting Local Economy
2	1KS23CS127	RUDRESH SIDDAPPA CHAKRASALI	Module1 - Corn Module 2- Dandeli Module 3 - Organic Pesticides & Insecticides Module 4- Almatti Dam Module 5 - Kalale Palya
3	1KS23CS128	RUSHITHA K	Module1 - Mango Plantation Module 2- Kaleodeo National Park Module 3 - Crop Diversity Module 4- Rana Pratap Sagar Module 5 - Sweet Pongal
4	1KS23CS129	S AVINASH	Module1 - Mono-Cultutre And Poly Culture Plantation Module 2- Sudarban National Park Module 3 - Soil Fertility Management Module 4- Water Efficient Agriculture Module 5 - Italian Cusine
5	1KS23CS130	S HARSHA	Module1 - Climate Smart Plantation Agriculture Module 2- Chamundi Hills Module 3 - Boi Gas Production Module 4- Ground Water Recharge Module 5 - Karnataka Cusine
6	1KS23CS131	S SUMANTH	Module 1 - Agroforestry Module 2 - Madhubani Paintings Module 3- Zero Budget Natural Farming Module 4- Irrigation Module 5- Death By Chocolate
7	1KS23CS132	S V NAVYA	Module1 - Wheat Plantation Module 2- Red Fort Module 3 - Public Awareness And Education About Waste Management Module 4- Global Water Scarcity Module 5 - Cakes

8	1KS23CS133	SACHIN R	Module1 - Cardamom Plantation Module 2- Sabarimala Module 3 - Jawamritha Organic Liquid Fertilizer Farming Module 4- Rooftop Rainwater Harvesting Module 5 -Idiyappam And Puttu
9	1KS23CS134	SADHANA M	Module1 - Plantation Module 2- Kedarnath Temple Module 3 - Pulicat Lake Reservoir Module 4- Hydroponics And Gasification Module 5 -Snacks
10	1KS23CS135	SAGARIKA B PATIL	Module1 - Hibiscus Module 2- Spiti Valley Module 3 - Zero Budget Natural Farming Module 4- Tehri Reservoir Module 5 - Indo Chinese
11	1KS23CS136	SAHANA D	Module1 - Sugarcane Module2- Western Ghats Module3-Aromatic And Medicinal Plants Module4-Tehri Dam Module5-Traditional Food Of Karnataka
12	1KS23CS137	SAKSHI RAMESH	Module1 - Salumarada Thimakka Module 2- Sundarban National Reserve Module 3 - Cotton Farming Module 4- Srirangapatna Dam Module 5 - Sweets In India
13	1KS23CS138	SANDHYA	Module1 - Banyan Tree Plantation Module 2- Mysore Module 3 - Waste As A Resource In Organic Farming Module 4- Rain Water Harvesting Module 5 - Panner Butter Masala
14	1KS23CS139	SANJANA JAGANNATHA	Module1 - Eucalyptus Plantation Module 2- Sacred Ensembles of The Hoysalas Module 3 - Biological Pest Control Module 4- Sardar Sarovar Dam Module 5 - Dhokla
15	1KS23CS140	SANJANA N	Module 1 - Photo Blog (Plantation) Module 2 - Historical Connections Module 3 - Wet Waste Management Module 4 - Rain Water Harvesting Module 5 - Indigenous Materials (Cooking)
16	1KS23CS141	SANJAY T	Module1 - Sandalwood Farming Module 2- Srirangapatna Module 3 - Livestock Module 4- Tungabhadra Dam Module 5 - Pootharekulu
17	1KS23CS142	SANKETH KUMAR K R	Module1 - Ginger Plantation Module 2- Keladi Sagar Module 3 - Crop Rotation Module 4- Linganamakki Dam Module 5 - Malnad(Shimogga) Food
18	1KS23CS143	SARVAGNA S RAO	Module1 - Banyan Tree Module 2- Bidariware Module 3 - Rotational Grazing And Composting Module 4- Malaprabha Water Reservoir Module 5 - Dharwad Peda

19	1KS23CS144	SHAMA SHIVARAJ SHETTY	Module1 - Coffee Plantation Module 2- Mahabalipuram Monuments Module 3 - Crop Rotation Module 4- Tungabhadra Dam Module 5 - Jackfruit Gatti
20	1KS23CS145	SHAMITH GOWDA A G	Module 1 - Sustainable Plant Forestation Module 2 - Madurai Heritage Walk Craft Corner Module 3 - Benefits Of Organic Farming Module 4 - Benefits Of Water Conservation Module 5 - South Indian Meals
21	1KS23CS146	SHASHANK GOWDA U	Module1 - Garlic Plantation Module 2- Somanathapura Temple Module 3 - VERMICULTURE Module 4-Dummasandra Dam Module 5 - Holige
22	1KS23CS147	SHIVA M	Module 1 - Tree Plantation Module 2 - Architectural Style Module 3 - Organic Farming Challenges Module 4 - Water Conservation Techniques Module 5 - Spices of India
23	1KS23CS148	SHIVAMANI N	Module 1 - Plant Description. Module 2 - City And Its Craftsman Module 3 - Wet Waste Management Module 4 - Water Conservation Module 5 - Indigenous Food Materials
24	1KS23CS149	SHRAVYA PRAKASH	Module1 - Bamboo Plantation Module 2- Ooty Module 3 - Waste To Energy Module 4- Impact Of Climate Change Module 5 - Mysore Pak
25	1KS23CS150	SHREYA S	Module1 -Cocoa Plantation Module 2- Kaziranga National Park Module 3 - Inter Cropping and Polyculture Module 4- Household And Community Conservation Module 5 - Biryani
26	1KS23CS151	SHREYA S UPADHYA	Module1 - Tea Plantation Module 2- Kanchenjuna Module 3 - Organic Mulching Module 4- Ksr Dam Module 5 - Patode
27	1KS23CS152	SHREYAS S	Module 1 - Seed Bombing Module 2 - South Indian Heritage Sites Module 3 - Challenges in Organic Farming Module 4 - Terracing & Mulching Module 5 - South Indian Cuisines
28	1KS23CS153	SHRIHARI I B	Module1 -Areca nut Plantation Module 2- Tulunadu Module 3 - Brunt Vegetation Module 4- Desalination Using Nanotechnology Module 5 -Pundi
29	1KS23CS154	SHRISHA C M	Module1 -Rice / Paddy Plantation Module 2- The Ajanta Caves Module 3 - Green Manure

			Module 4- Ghataprabha Reservoir Module 5 -Mysore Pak
30	1KS23CS155	SHRUSTI L	Module1 -Sandalwood Plantation Module 2- Manas Wildlife Sanctuary Module 3 - Weed Management Module 4- Vani Vilas Sagara Module 5 - Akki Roti
31	1KS23CS156	SHRUSTI L	Module1 -Wheat Plantation Module 2- Taj Mahal Module 3 - Biological Pest Control Module 4- Nagarjuna Sagara Module 5 - Ragi Ball
32	1KS23CS157	SOMESH K N	Module 1 - Plantation On Roof Tops Module 2 - Heritage Walk Module 3 - Wet Waste Mangement Module 4 - Methods Of Water Conservation Module 5 - Healthy Food
33	1KS23CS158	SRAVYA ILLURI	Module1 -Oil Palm Plantation Module 2- Coloneial Heritage Module 3 - Organic Farming Techniques Module 4- Grey Water Recycling Module 5 - Rajasthani Cusines
34	1KS23CS159	SRIGOWRI S KULKARNI	Module1 -Ornamental Plantation Module 2- Architectural Styles Module 3 - Soil Health Module 4- Public Awareness and Education Module 5 - Mughalai Desserts
35	1KS23CS160	SUDARSHAN VEERABHADRAPPA GONDI	Module 1 - Types Of Tree Module 2 - Heritage Tour Module 3 - Waste Management Module 4 - Drip Irrigation Module 5 - Different Types of Food
36	1KS23CS161	SUDHANVA K JOSHI	Module 1 - Benefits Of Urban Tree Plantation Module 2 - Preserving Cultural Heritage Module 3 - Sustainable Practices in Organic Farming Module 4 - Impacts Of Climates Change Module 5 - Street Food Cuktual And Food Walks
37	1KS23CS162	SUREKHA T S	Module1 -Medicinal Plantation Module 2-Jog Falls Module 3 - Soil Conservation And Fertility Management Module 4- Water Consevation In Agricultural Irrigation Module 5 - Pongal
38	1KS23CS163	T S R SRIRAGA	Module1 -Lavender Plantation Module 2- Lepakshi Temple Module 3 - Bio Medical Wastes Module 4- Canal Irrigation Module 5 - Andra Cusines
39	1KS23CS164	TALLURU SAHITHYA	Module1 -Environmental Impact and Medicinal Uses Of Trees Module 2- Pottory And Ceramics Module 3 - Organic Fertilizers And Its Benefits Module 4- Water Efficiant Irrigation Techniques Module 5 - Street Food Exploration

40	1KS23CS165	TARAN J	Module 1 - Crop Harvesting Module 2 - Ensembles of Hoysalas Module 3 - Animal Husbandary Module 4 - Ways and Benefits of Water Conservation Module 5 - Kajukatli
41	1KS23CS166	TARUN R	Module 1 - Benifits of Plantation Module 2 - Seven Pogodas Mahabalipuram Module 3 - Plastic Waste Management Module 4 - Rain Water Harvesting Module 5 - Bengali Food Sustainability
42	1KS23CS167	THANUSHREE V S	Module1 - Rubber Plantation Module 2- Madugiri Monolochic Hill Module 3 - Organic Wastes As Fertilizers Module 4- Water Conservation In Hotels Module 5 - Rasmalai
43	1KS23CS168	UJWAL G NAIK	Module 1 - Imapct Of Deforestation Module 2 - Nalanda Univerisity Module 3 - Types Of Organic Farming Module 4 - Harvesting Times Of Crops Module 5 - Types Of Pulses
44	1KS23CS169	VARNIKA G	Module1 -Oak Tree Plantation Module 2-Golden Temple Module 3 - Bio Medical Wastes Module 4- Canal Irrigation Module 5 - Andra Cusines
45	1KS23CS170	VARSHA D R	Module 1 - Stems That We Eat Daily Module 2 - Chanapatana Module 3- Millets And Its Richness Module 4 - Dams And Its Importance Module 5 - Doughnuts
46	1KS23CS171	VARSHA DATTATREYA BHAT	Module1 -Neem Plantation Module 2- Jaipur / Crafts Corner Module 3 - Millets Module 4- Cultural Perspective On Water Conservation Module 5 - Reginal Desserts And Sweets
47	1KS23CS172	VARSHA S K	Module 1-Turmeric Plantation Module 2-Great Wall of China Module 3- E Waste Module 4 - Recycling Waste Water Module 5- Rasmalai
48	1KS23CS173	VARSHITHA	Module 1 - Plants Usage in Daily Life Module 2 - Heritage Walk In Hampi Module 3 - Organic Farming And Techniques Module 4 - Water Conservation Module 5- Indigenous Materials (Cooking)
49	1KS23CS175	VATSAL VIGNESH B C	Module 1 - Coffee Plantation Module 2 - Cholas Temples Module 3 - Process of Making Compost Module 4 - Water Purification Cycle Module 5 - South Indian Food
50	1KS23CS176	VEERENDRA R	Module1 -Ashwagandha Module 2- Anjanadri Betta Module 3 - Vertical Farming Module 4- Groundwater Management Module 5 - Kalakanda (Sweet)



51	1KS23CS177	VENKAT S S	Module 1 - Adoption Of Trees Module 2 - Uttara Kannada Module 3 - Organic Farming Module 4 - Water Harvesting Module 5 - Sheera
52	1KS23CS178	VIGASINI S	Module1 -Cashew Plantation Module 2- Basilica of Bam Jesus Module 3 - Friends of Arcata Marsh Module 4- Drip Irrigation Module 5 - Bengali Cusines
53	1KS23CS179	VIJAYALAKSHMI C	Module1 -Timber Plantation Module 2- Sun Temple Konark Module 3 - Waste Management System Around the Globe Module 4- Saving Water in Commercial Buildings Module 5 - Kashmiricusines
54	1KS23CS180	VIKAS K B	Module1 -Cabbage Plantation Module 2- Agra Forts Module 3 - Benifits of Organic Farming Module 4- Saving Water In Commercial Buildings Module 5 - Jalebi
55	1KS23CS181	VINITH M R	Module 1 - Reforestation Module 2 - Historical Landmarks Module 3 -Wet Waste Management Module 4 - Grey Water Recycling Module 5 - Cultural Food
56	1KS23CS182	VISHAL R	Module 1. Types Of Himalayan Trees Module 2 - Preserving India's Heritage Module 3 - Organic And Inorganic Farming Module 4 - Watershed Sustainability Module 5 - Basic Etiquettes While Having Food
57	1KS23CS183	VISHAL T K	Module 1 - Agroforestry Module 2 - Madhubani Paintings Module 3 - Zero Budget Natural Farming Module 4 - Irrigation Module 5 - Cakes Vs Chocolates
58	1KS23CS184	VISHAL VASS S	Module 1- Deforestation Module 2- Heritage Craft Module 3- Wet Waste Management Module 4 - Flood Management Module 5 - Carrot Halwa
59	1KS23CS185	VUNNAM THANUJA	Module1 - Banan Plantation Module 2- India Gate Module 3 -Mixed Orgainic Farmig Module 4- Tailwater Reuse Module 5 - Chats
60	1KS23CS186	YASHASWI R	Module1 -Economic Importance of Trees Module 2- Forts and Palace Module 3 - E - Waste Managemnet Module 4- Impact of Deforstation on Water Resources Module 5 - Coorg Cusines
61	1KS23CS187	YASHASWINI K T	Module1 - Coconut Plantation Module 2- Hawa Mahal Module 3 - Natural Agricultural Farming Module 4- Redistribution of Water Module 5 - Kerala Cusines

62	1KS23CS188	YASHASWINI S	Module1 - Orcids Plantation Module 2- Karnatakas Rich Heritage Module 3 - Bio Dynamic Farming Module 4- Marine Ecosystem Module 5 - Sushi
63	DIP	DARSHAN K R	Module1 - Mango Plantation Module 2- Halebidu Module 3 - Soil Management Module 4- Sprinkler Irrigation Module 5 - Ragi Rotti
64	DIP	RACHANA	Module1 -Kesari Plantation Module 2- Agra Module 3 - Composting Module 4- Indira Sagar Dam Module 5 - Mushroom Palav
65	DIP	GAGAN GOWDA D	Module1 -Bilwapathre Module 2- Nalanda University Module 3 - Bio Pesticides Module 4-Rain Water Harvesting Module 5 - Maddur Vada
66	DIP	VARSHINI J	Module1 -Tree Care and Maintance Module 2- Hampi Module 3 - Re-Cycle and Reuse Module 4- Urban Water Management Module 5 - Festival Foods
67	DIP	KEERTHAN A	Module1 -Drumstick Plantation Module 2- Qutub Minar Module 3 - Millets Farming Module 4- Gagana Chukki Bara Chukki Module 5 - Dosa Chiken Curry



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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**TEACHING AND LEARNING**

**CONTENT BEYOND SYLLABUS REPORT**

<b>Academic Year</b>	<b>2024-2025(odd)</b>
<b>Name of the Faculty</b>	<b>Dr. P.Soubhagyalakshmi</b>
<b>Course Name /Code</b>	<b>Theory of Computation (BCS503)</b>
<b>Semester/Section</b>	<b>5<sup>th</sup> A Section</b>
<b>Activity Name</b>	<b>Online Certification (Infosys Springboard)</b>
<b>Topic Covered</b>	<b>Theory of Computation</b>
<b>No. of Participants</b>	<b>65/70</b>
<b>Objectives/Goals</b>	<ul style="list-style-type: none"><li>• To understand the topic more precisely</li><li>• To improve the self-learning skills of students</li></ul>
<b>ICT Used</b>	<b>E-Learning</b>
<b>Appropriate Method/Instructional Materials/Exam Questions:</b>  <b>Infosys Springboard: Automata Theory</b>	
<b>Relevant CO's</b>	<b>CO1,CO2,CO3,CO4,CO5</b>
<b>Relevant PO's:</b>	<b>PO9,PO10,PO12</b>
<b>Significance of Results/Outcomes</b>	<ul style="list-style-type: none"><li>• .Students were able to understand the concepts of automata theory and its applications.</li></ul>
<b>Reflective Critique</b>	<ul style="list-style-type: none"><li>• Certification courses help students show and build their expertise in courses selected</li><li>• Certification courses aim to help students sharpen their skill sets and prepare for the workplace</li><li>• The activity provided a platform for students to apply their knowledge of Automata Theory</li></ul>
Drive link:  <a href="https://drive.google.com/drive/folders/19pOU5HRJZghdkBu9p3lziQ9jSt2oD_5D?usp=sharing">https://drive.google.com/drive/folders/19pOU5HRJZghdkBu9p3lziQ9jSt2oD_5D?usp=sharing</a>	

**Proofs :**

**Sample copy of the certificate attached**



# COURSE COMPLETION CERTIFICATE

The certificate is awarded to

**Deepika Angel K**

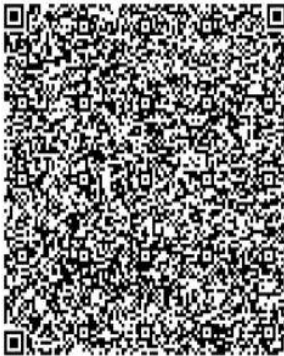
for successfully completing the course

**Computational Theory: Language Principle & Finite Automata Theory**

on December 18, 2024



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Thirumala Arohi  
Executive Vice President and Global Head  
Education, Training & Assessment (ETA)  
Infosys Limited



## COURSE COMPLETION CERTIFICATE

The certificate is awarded to

**JYOTHSNA R**

for successfully completing the course

**Computational Theory: Language Principle & Finite Automata Theory**

on December 16, 2024



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Signature of Course In charge

Signature of HOD

Head of the Department  
Dept. of Computer Science & Engg.  
K.S. Institute of Technology  
Bengaluru -560 109



CONTENT BEYOND SYLLABUS REPORT

Academic Year	2024-2025(odd)
Name of the Faculty	Dr. Sunita Chalageri
Course Name /Code	Theory of computation (BCS503)
Semester/Section	5 <sup>th</sup> B and C
Activity Name	Online Certification (Infosys Springboard)
Topic Covered	Theory of Computation
No. of Participants	130/135
Objectives/Goals	<ul style="list-style-type: none"><li>To understand the topic more precisely</li><li>To improve the self-learning skills of students</li></ul>
ICT Used	E-Learning
Appropriate Method/Instructional Materials/Exam Questions: Infosys Springboard: Automata Theory	
Relevant CO's	CO1,CO2,CO3,CO4,CO5
Relevant PO's:	PO9, PO10 ,PO12
Significance of Results/Outcomes	<ul style="list-style-type: none"><li>Students were able to understand the Concepts of automata theory and its applications.</li></ul>
Reflective Critique	<ul style="list-style-type: none"><li>Certification courses help students show and build their expertise in <i>Courses selected</i></li><li>Certification courses aim to help students sharpen their skill sets and prepare for the workplace.</li><li>The activity provided a platform for students to apply their knowledge of Automata Theory.</li></ul>
Drive link: 1. <a href="https://drive.google.com/drive/folders/1Mv1a0hNgApuT2INfpy2gbtd1mO5NtcmE-C">https://drive.google.com/drive/folders/1Mv1a0hNgApuT2INfpy2gbtd1mO5NtcmE-C</a> section 2. <a href="https://drive.google.com/drive/folders/1o3NRVZ_q6R8390OwHz-xp7S8Nx3cNJYb">https://drive.google.com/drive/folders/1o3NRVZ_q6R8390OwHz-xp7S8Nx3cNJYb</a> -B section	
Proofs : Sample copy of the certificate attached	



COURSE COMPLETION CERTIFICATE

The certificate is awarded to

**Deeksha Narayan**

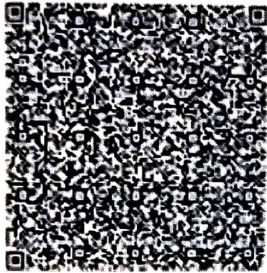
for successfully completing the course

**Computational Theory: Language Principle & Finite Automata Theory**

on December 19, 2024

Infosys | Springboard

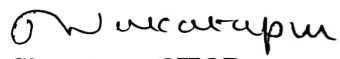
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Thirumala Anchi  
Executive Vice President and Global Head  
Education, Training & Assessment (ETA)  
Infosys Limited

  
Signature of Course In charge

  
Signature of HOD  
Head of the Department  
Dept. of Computer Science & Engg  
K.S. Institute of Technology  
Bengaluru -560 109

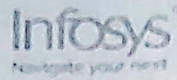




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CONTENT BEYOND SYLLABUS REPORT

Academic Year	2024-2025(odd)
Name of the Faculty	Mrs Beena K
Course Name /Code	Artificial Intelligence / BCS515B
Semester/Section	5 <sup>th</sup> A
Activity Name	Online Certification (Infosys Springboard)
Topic Covered	Artificial Intelligence
No. of Participants	70
Objectives/Goals	<ul style="list-style-type: none"><li>To understand the topic more precisely</li><li>To improve the self-learning skills of students</li></ul>
ICT Used	E-Learning
Appropriate Method/Instructional Materials/Exam Questions:  Infosys Springboard: Artificial Intelligence	
Relevant CO's	CO1,CO2,CO3,CO4,CO5
Relevant PO's:	PO9, PO10 ,PO12
Significance of Results/Outcomes	<ul style="list-style-type: none"><li>Students were able to understand the Artificial Intelligence applications.</li></ul>
Reflective Critique	<ul style="list-style-type: none"><li>Certification courses help students show and build their expertise in <i>Courses selected</i></li><li>Certification courses aim to help students sharpen their skill sets and prepare for the workplace.</li><li>The activity provided a platform for students to apply their knowledge of AI.</li></ul>
Drive link: <a href="#">AI 5 A CERTIFICATES - Google Drive</a>	
Proofs : Sample copy of the certificate attached	

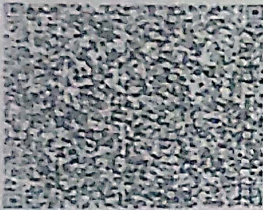


# COURSE COMPLETION CERTIFICATE

The certificate is awarded to

**Ankita N**

for successfully completing the course  
**Introduction to Artificial Intelligence**  
on December 1, 2024



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Thirumala Arshi  
Executive Vice President and Global Head  
Education, Training & Assessments (ETA)  
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Issued on: Sunday, December 1, 2024  
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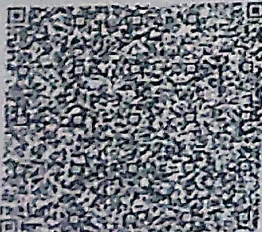


# COURSE COMPLETION CERTIFICATE

The certificate is awarded to

**Anuka Kirana Kumar**

for successfully completing the course  
**Introduction to Artificial Intelligence**  
on December 7, 2024



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Thirumala Arshi  
Executive Vice President and Global Head  
Education, Training & Assessments (ETA)  
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Issued on: Sunday, December 7, 2024  
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Signature of Course In charge

Signature of HOD

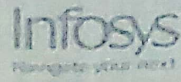




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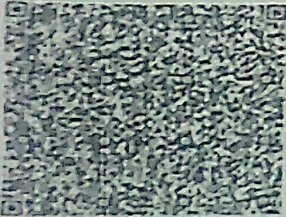
CONTENT BEYOND SYLLABUS REPORT

Academic Year	2024-2025(odd)
Name of the Faculty	Mrs Beena K
Course Name /Code	Artificial Intelligence / BCS515B
Semester/Section	5 <sup>th</sup> B
Activity Name	Online Certification (Infosys Springboard)
Topic Covered	Artificial Intelligence
No. of Participants	69
Objectives/Goals	<ul style="list-style-type: none"><li>• To understand the topic more precisely</li><li>• To improve the self-learning skills of students</li></ul>
ICT Used	E-Learning
Appropriate Method/Instructional Materials/Exam Questions:  Infosys Springboard: Artificial Intelligence	
Relevant CO's	CO1,CO2,CO3,CO4,CO5
Relevant PO's:	PO9, PO10 ,PO12
Significance of Results/Outcomes	<ul style="list-style-type: none"><li>• Students were able to understand the Artificial Intelligence applications.</li></ul>
Reflective Critique	<ul style="list-style-type: none"><li>• Certification courses help students show and build their expertise in <i>Courses selected</i></li><li>• Certification courses aim to help students sharpen their skill sets and prepare for the workplace.</li><li>• The activity provided a platform for students to apply their knowledge of AI.</li></ul>
Drive link: <a href="#">AI 5 B CERTIFICATES - Google Drive</a>  Proofs : Sample copy of the certificate attached	



# COURSE COMPLETION CERTIFICATE

The certificate is awarded to  
**Rini Jain**  
for successfully completing the course  
**Introduction to Artificial Intelligence**  
on November 17, 2024



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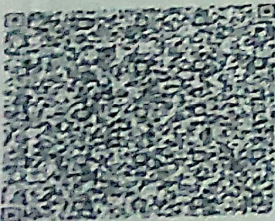
Awarded on: Sunday, November 17, 2024  
To verify, scan the QR code at <https://certs.springboard.infosys.com>

Thirumala Archi  
Executive Vice President and Global Head  
Education, Training & Assessment (ETA)  
Infosys Limited



# COURSE COMPLETION CERTIFICATE

The certificate is awarded to  
**Naresh Kumar N**  
for successfully completing the course  
**Introduction to Artificial Intelligence**  
on November 20, 2024



**Infosys | Springboard**  
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Awarded on: Wednesday, November 20, 2024  
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Thirumala Archi  
Executive Vice President and Global Head  
Education, Training & Assessment (ETA)  
Infosys Limited

Signature of Course In charge

Signature of HOD





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**CONTENT BEYOND SYLLABUS REPORT**

<b>Academic Year</b>	<b>2024-2025 (ODD)</b>
<b>Name of the Faculty</b>	<b>NAMYAPRIYA D</b>
<b>Course Name /Code</b>	<b>ARTIFICIAL INTELLIGENCE / BCS515B</b>
<b>Semester/Section</b>	<b>V / C</b>
<b>Activity Name</b>	<b>VALUE ADDED CERTIFICATIONS ON AI</b>
<b>Topic Covered</b>	<b>ARTIFICIAL INTELLIGENCE</b>
<b>No. of Participants</b>	<b>52</b>
<b>Objectives/Goals</b>	<ol style="list-style-type: none"><li><b>1. Enhance AI Knowledge:</b><ul style="list-style-type: none"><li>• Equip students with advanced knowledge in AI, beyond traditional syllabus content.</li><li>• Foster familiarity with cutting-edge tools and techniques like deep learning, NLP, and generative AI.</li></ul></li><li><b>2. Develop Practical Skills:</b><ul style="list-style-type: none"><li>• Provide hands-on experience with industry-relevant frameworks and platforms like TensorFlow, PyTorch, Dialogflow, and others.</li><li>• Solve real-world problems using AI applications.</li></ul></li><li><b>3. Encourage Lifelong Learning:</b><ul style="list-style-type: none"><li>• Motivate students to pursue certifications through platforms such as Infosys Springboard, Swayam, NPTEL, and Coursera.</li><li>• Build a foundation for continuous upskilling in the fast-evolving AI domain.</li></ul></li><li><b>4. Understand Societal Impact:</b><ul style="list-style-type: none"><li>• Promote awareness of AI's ethical, societal, and legal implications.</li><li>• Encourage responsible and inclusive use of AI in different industries.</li></ul></li></ol>
<b>ICT Used</b>	<b>E-Learning</b>
<b>Appropriate Method/Instructional Materials/Exam Questions:</b>	
<b>Methods:</b> <ol style="list-style-type: none"><li>1. Self-paced learning through online certification platforms.</li><li>2. Guided mentoring sessions to clarify concepts and troubleshoot practical challenges.</li><li>3. Peer learning through group discussions on project implementations and AI case studies.</li><li>4. Periodic assessments via quizzes, coding challenges, and practical assignments.</li></ol>	
<b>Instructional Materials:</b> <ol style="list-style-type: none"><li>1. Video tutorials from industry experts on Coursera, Infosys Springboard, Swayam, and NPTEL.</li><li>2. Comprehensive guides and documentation for tools like TensorFlow, PyTorch, and Rasa.</li><li>3. AI-related research papers and case studies for reference.</li><li>4. Practice datasets for real-world problem-solving in domains like healthcare, education, and e-commerce.</li></ol>	
Implement a chatbot using a framework learned from an online certification and document the process.	
<b>Relevant CO's</b>	CO1: Gain knowledge of advanced AI concepts beyond the syllabus, including state-of-the-art techniques and tools.

	<p>CO2: Develop practical skills by completing certification programs and applying knowledge to real-world problems.</p> <p>CO3: Understand the ethical and societal implications of AI applications in various domains.</p> <p>CO4: Build a strong foundation for continuous learning and professional growth in AI.</p>
<b>Relevant PO's:</b>	<b>PO1, PO2, PO4, PO5, PO12</b>
<b>Significance of Results/Outcomes</b>	<p><b>Career Advancement:</b></p> <ul style="list-style-type: none"> <li>• Certifications improve employability by validating technical skills.</li> <li>• Students are better prepared for roles such as data scientists, AI engineers, and machine learning developers.</li> </ul> <p><b>Skill Enhancement:</b></p> <ul style="list-style-type: none"> <li>• Practical exposure to real-world problems ensures students are job-ready.</li> <li>• Certification projects build confidence in applying AI concepts.</li> </ul> <p><b>Global Competitiveness:</b></p> <ul style="list-style-type: none"> <li>• Certifications from renowned platforms (e.g., Coursera, Swayam) enhance global recognition.</li> <li>• Students gain a competitive edge in higher studies and international job markets.</li> </ul> <p><b>Broader Impact:</b></p> <ul style="list-style-type: none"> <li>• Exposure to societal and ethical dimensions encourages responsible AI usage.</li> <li>• Trained professionals contribute to sustainable AI solutions in diverse industries.</li> </ul>
<b>Reflective Critique</b>	<p><b>Strengths:</b></p> <ul style="list-style-type: none"> <li>• The integration of value-added certifications bridges the gap between academic knowledge and industry demands.</li> <li>• Self-paced learning encourages flexibility and personalization of the learning experience.</li> </ul> <p><b>Areas for Improvement:</b></p> <ul style="list-style-type: none"> <li>• Some certifications may require prerequisites that need to be addressed through additional preparatory sessions.</li> <li>• Students may face challenges in affording premium courses; financial aid options could be highlighted.</li> </ul> <p><b>Potential Enhancements:</b></p> <ul style="list-style-type: none"> <li>• Provide institution-level credit or recognition for completing certifications.</li> <li>• Encourage collaborative projects where students apply certification knowledge to solve local or industry-relevant problems.</li> </ul> <p><b>Broader Implications:</b></p> <ul style="list-style-type: none"> <li>• Incorporating value-added certifications ensures students stay relevant in the ever-evolving AI domain.</li> <li>• It promotes a culture of lifelong learning, preparing students for future disruptions in technology and industry.</li> </ul>

**Proofs:**

**Sample copy of the certificate attached**



## COURSE COMPLETION CERTIFICATE

The certificate is awarded to

**Shravya R**

for successfully completing the course

**Elements of an Artificial Intelligence Architect**

on December 3, 2024



*Congratulations! You make us proud!*



Issued on: Wednesday, December 4, 2024  
To verify, scan the QR code at <https://verify.onwingspan.com>

Thirumala Arohi  
Executive Vice President and Global Head  
Education, Training & Assessment (ETA)  
Infosys Limited

**Signature of Course In-charge**

**Signature of HOD**  
**Head of the Department**  
**Dept. of Computer Science & Engg**  
**K.S. Institute of Technology**  
**Bengaluru -560 109**



**K.S. INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**ONLINE VALUE-ADDED COURSES COMPLETED BY THE SYUDENTS**

**ACADEMIC YEAR 2023-24 (ODD SEM)**

**Year/Semester/Section: III/ V / C**

<b>SL. No</b>	<b>USN</b>	<b>Students name</b>	<b>Platform</b>	<b>Details of Certification</b>	<b>Duration /Date</b>
1	1KS22CS126	SAGAR M	Infosys Spring Board	Introduction to Artificial Intelligence	30/11/2024
2	1KS22CS127	SAHANA C S	Infosys Spring Board	Artificial Intelligence	29/11/2024
3	1KS22CS128	SAI DEEKSHA D	Infosys Spring Board	Artificial Intelligence: Types of Artificial Intelligence	29/11/2024
4	1KS22CS130	SAMHITA P	Infosys Spring Board	Artificial Intelligence: Types of Artificial Intelligence	26/11/2024
5	1KS22CS132	SANATH R	Infosys Spring Board	Introduction to Artificial Intelligence	01/12/2024
6	1KS22CS133	SANDEEP KUMAR JENA	Infosys Spring Board	Python AI Development: Introduction	22/11/2024
7	1KS22CS134	SANDESH GURURAJ KULLOLLI	Infosys Spring Board	Artificial Intelligence	26/11/2024
8	1KS22CS135	SANGEETHA K M	Great Learning	Introduction to Artificial Intelligence	01/12/2024
9	1KS22CS137	SANKET MATHAPATI	Infosys Spring Board	Introduction to Artificial Intelligence	30/11/2024
10	1KS22CS138	SATYA KARTHIK R	Infosys Spring Board	An Introduction to Generative AI	29/11/2024
11	1KS22CS139	SHAMANTH SREEPAD JOSHI	Infosys Spring Board	Introduction to Artificial Intelligence	27/11/2024
12	1KS22CS140	SHARANUBASAVA ARADHYA	Infosys Spring Board	Introduction to Artificial Intelligence	29/11/2024
13	1KS22CS141	SHASHANK H Y	Infosys Spring Board	Artificial Intelligence with Python – Heuristic Search	27/11/2024
14	1KS22CS142	SHASHANKGOUDA G GALI	Infosys Spring Board	Introduction to Artificial Intelligence	30/11/2024
15	1KS22CS144	SHRAVYA R	Infosys Spring Board	Elements of an Artificial Intelligence Architect	03/12/2024
16	1KS22CS145	SHREEHARI D R	Infosys Spring Board	Introduction to Artificial Intelligence	30/11/2024
17	1KS22CS147	SHREYA P R	Infosys Spring Board	Artificial Intelligence with Python – Heuristic Search	29/11/2024
18	1KS22CS149	SINCHANA M	Infosys Spring Board	Leading Security Teams for Gen AI Solutions: Use of Gen AI	25/11/2024
19	1KS22CS150	SINDHU	Infosys Spring Board	An Introduction to Generative AI	03/12/2024
20	1KS22CS151	SIRI S GOWDA	Infosys Spring Board	Artificial Intelligence: Types of Artificial Intelligence	30/11/2024
21	1KS22CS152	SOURAV G	Infosys Spring Board	Introduction to Artificial Intelligence	30/11/2024
22	1KS22CS153	SRINIVAS KOUDINYA T D	Infosys Spring Board	Fundamentals of AI ML: Introduction to Artificial Intelligence	29/11/2024
23	1KS22CS154	SRISHTI RAGHUNATH SOSALE	Infosys Spring Board	Introduction to Artificial Intelligence	01/12/2024
24	1KS22CS155	SRUJAN G	Infosys Spring Board	Introduction to Artificial Intelligence	30/11/2024



25	1KS22CS156	SUDEEP PRAKASH KENGINAL	Infosys Spring Board	Introduction to Artificial Intelligence	29/11/2024
26	1KS22CS160	SUPREETH V	Infosys Spring Board	Introduction to Artificial Intelligence	01/12/2024
27	1KS22CS161	SUPRIYA K	Infosys Spring Board	Artificial Intelligence: Types of Artificial Intelligence	29/11/2024
28	1KS22CS162	SUPRIYA.M	Infosys Spring Board	An Introduction to Generative AI	03/12/2024
29	1KS22CS163	SYED AYAN HYDER	Infosys Spring Board	Introduction to Artificial Intelligence	28/11/2024
30	1KS22CS165	TEJA M S	Infosys Spring Board	Artificial Intelligence: Types of Artificial Intelligence	29/11/2024
31	1KS22CS166	TEJAS GOWDA H R	Infosys Spring Board	Artificial Intelligence with Python – Heuristic Search	02/12/2024
32	1KS22CS167	TEJASHWINI S R	Infosys Spring Board	Introduction to Artificial Intelligence	01/12/2024
33	1KS22CS168	THANUJA T	Infosys Spring Board	Artificial Intelligence	29/11/2024
34	1KS22CS169	THANUSHA S	Infosys Spring Board	Artificial Intelligence with Python – Heuristic Search	29/11/2024
35	1KS22CS170	THANUSHREE NATARAJ	Infosys Spring Board	Artificial Intelligence: Types of Artificial Intelligence	29/11/2024
36	1KS22CS171	THEJUS K	Infosys Spring Board	Introduction to Artificial Intelligence	29/11/2024
37	1KS22CS172	THUMMALAKUNTA VENEELA YASHMINE	Infosys Spring Board	Artificial Intelligence: Types of Artificial Intelligence	29/11/2024
38	1KS22CS174	ULLAS S A	Infosys Spring Board	An Introduction to Generative AI	29/11/2024
39	1KS22CS175	ULLI SRUJAN	Infosys Spring Board	Introduction to Artificial Intelligence	29/11/2024
40	1KS22CS176	UMESH BHATTA	Infosys Spring Board	Leading Security Teams for Gen AI Solutions: Use of Gen AI	25/11/2024
41	1KS22CS178	VAMSHI N M	Infosys Spring Board	Leading Security Teams for Gen AI Solutions: Use of Gen AI	01/12/2024
42	1KS22CS179	VARSHA S N	Infosys Spring Board	Leading Security Teams for Gen AI Solutions: Protecting Intellectual Property	21/11/2024
43	1KS22CS180	VEENA M	Infosys Spring Board	Leading Security Teams for Gen AI Solutions: Use of Gen AI	24/11/2024
44	1KS22CS181	VIDYA K	Infosys Spring Board	An Introduction to Generative AI	30/11/2024
45	1KS22CS182	VIDYA M S	Infosys Spring Board	Artificial Intelligence: Types of Artificial Intelligence	29/11/2024
46	1KS22CS183	VIGNESH B	Infosys Spring Board	Introduction to Artificial Intelligence	05/12/2024
47	1KS22CS184	VIGNESH S	Infosys Spring Board	Introduction to Artificial Intelligence	06/12/2024
48	1KS22CS185	VIJAYASHREE A	Infosys Spring Board	Leading Security Teams for Gen AI Solutions: Protecting Intellectual Property	19/11/2024
49	1KS22CS186	VIKRAM S	Infosys Spring Board	Leading Security Teams for Gen AI Solutions: Protecting Intellectual Property	26/11/2024
50	1KS22CS187	VIVEK	Infosys Spring Board	Introduction to Artificial Intelligence	01/12/2024
51	1KS22CS188	YASHASWINI S L	Infosys Spring Board	Artificial Intelligence	29/11/2024
52	1KS21CS013	ANUBHAV MISRA	Infosys Spring Board	Introduction to Artificial Intelligence	27/11/2024



K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
TEACHING AND LEARNING  
CONTENT BEYOND SYLLABUS REPORT

Academic Year	2024-25
Name of the Faculty	SWAPNA SUBHASH BANASODE
Course Name /Code	Research Methodology & IPR (BRMK557)
Semester/Section	V/ 'A'
Activity Name	Online Certification (Infosys Springboard)
Topic Covered	Research Methodology & IPR
No. of Participants	44
Objectives/Goals	To help students understand the basics of research, intellectual property rights, and engineering ethics
ICT Used	E-Learning
<b>Appropriate Method/Instructional Materials/Exam Questions:</b> Infosys Springboard: Using review & reference tools in Google Docs 2022 Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	
Relevant CO's	CO1,CO2,CO3,CO4,CO5
Relevant PO's:	PO2, PO4,PO5,PO6,PO7,PO8,PO10,PO12
Significance of Results/Outcomes	Students were able to understand <ul style="list-style-type: none"><li>• <b>Research basics:</b> Students learn the meaning of research, its types, and research ethics</li><li>• <b>Literature review:</b> Students learn the process of literature review and technical reading</li><li>• <b>Intellectual property rights:</b> Students learn the concepts of intellectual property rights, including patents, trademarks, copyrights, and designs</li><li>• <b>Engineering research:</b> Students learn the fundamentals of engineering research and the procedure for technical reading and literature review</li></ul>
Reflective Critique	<ul style="list-style-type: none"><li>• Certification courses help students to show and build their expertise in Course selected.</li><li>• Certification courses aim to help students sharpen their skill sets and prepare for the workplace.</li></ul>

- The activity provided a platform for students to apply their knowledge in Research oriented work.

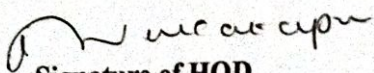
**Proofs :**

[https://drive.google.com/drive/folders/15brmPVffmt7e6RhHsZ6F2dUg\\_k86wbeu?usp=sharing](https://drive.google.com/drive/folders/15brmPVffmt7e6RhHsZ6F2dUg_k86wbeu?usp=sharing)

Sample copy of the certificate attached here



  
Signature of Course In charge

  
Signature of HOD  
Head of the Department  
Dept. of Computer Science & Engg.  
K.S. Institute of Technology  
Bengaluru -560 109

**K.S. INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF COMPUTER SCIENCE & ENGG**  
**ONLINE COURSE-Infosys Springboard-certifications completed by students**  
**ACADEMIC YEAR 2024-25 ODD SEM**  
**RESEARCH METHODOLOGY & IPR (BRMK557)**  
**Year/Semester/Section: 2024-25/V/A**

SL. NO.	USN	NAME OF THE STUDENT	PLATFORM	DETAILS OF CERTIFICATION	DURATION/DATE	DETAILS OF CERTIFICATION	DURATION/DATE
1	1KS22CS004	ADITHYA M	Infosys	Using review & reference tools in Google Docs 2022	16-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	16-11-2024
2	1KS22CS005	ADITYA S	Infosys	Using review & reference tools in Google Docs 2022	16-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	16-11-2024
3	1KS22CS009	AKSHAY KRISHNA K S	Infosys	Using review & reference tools in Google Docs 2022	16-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	16-11-2024
4	1KS22CS010	AMRUTHA N	Infosys	Using review & reference tools in Google Docs 2022	06-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	07-11-2024

5	1KS22CS011	ANANYA C	Infosys	Using review & reference tools in Google Docs 2022	30-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	03-12-2024
6	1KS22CS013	ADONI ANIRUDH	Infosys	Using review & reference tools in Google Docs 2022	17-12-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	17-12-2024
7	1KS22CS016	ANKITA N	Infosys	Using review & reference tools in Google Docs 2022	27-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	27-11-2024
8	1KS22CS018	ANUKA KIRANA KUMAR	Infosys	Using review & reference tools in Google Docs 2022	20-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	07-12-2024
9	1KS22CS019	ANUSHKA SHRIPAD GULAVANI	Infosys	Using review & reference tools in Google Docs 2022	07-12-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	07-12-2024

10	1KS22CS020	ANVITHA M V	Infosys	Using review & reference tools in Google Docs 2022	16-12-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	16-12-2024
11	1KS22CS021	ARJAV C PRABHU	Infosys	Using review & reference tools in Google Docs 2022	16-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	16-11-2024
12	1KS22CS023	ASHISH REDDY VP	Infosys	Using review & reference tools in Google Docs 2022	17-12-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	17-12-2024
13	1KS22CS024	B S VARSHA	Infosys	Using review & reference tools in Google Docs 2022	06-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	07-11-2024
14	1KS22CS025	BALAJI R	Infosys	Using review & reference tools in Google Docs 2022	17-12-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	17-12-2024

20	1KS22CS032	CHARITHANJALI M	Infosys	Using review & reference tools in Google Docs 2022	02-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	02-11-2024
21	1KS22CS034	CHIRAG K P	Infosys	Using review & reference tools in Google Docs 2022	18-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	19-11-2024
22	1KS22CS036	D S AISHWARYA	Infosys	Using review & reference tools in Google Docs 2022	29-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	29-11-2024
23	1KS22CS039	DEEPIKA ANGEL K	Infosys	Using review & reference tools in Google Docs 2022	06-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	06-11-2024
24	1KS22CS041	DIVYASHREE S	Infosys	Using review & reference tools in Google Docs 2022	15-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	16-11-2024

15	1KS22CS026	BHARATH M	Infosys	Using review & reference tools in Google Docs 2022	19-12-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	19-12-2024
16	1KS22CS028	BINDU M	Infosys	Using review & reference tools in Google Docs 2022	20-12-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	20-12-2024
17	1KS22CS029	BINDU SHREE B	Infosys	Using review & reference tools in Google Docs 2022	07-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	18-11-2024
18	1KS22CS030	CHAITHANYA B S	Infosys	Using review & reference tools in Google Docs 2022	07-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	18-11-2024
19	1KS22CS031	CHAITRA E KODIGOUDRA	Infosys	Using review & reference tools in Google Docs 2022	20-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	07-12-2024



25	1KS22CS046	GUNITH RAVIKIRAN	Infosys	Using review & reference tools in Google Docs 2022	17-12-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	04-12-2024
26	1KS22CS047	GURURAJ V A	Infosys	Using review & reference tools in Google Docs 2022	16-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	16-11-2024
27	1KS22CS048	HARCHITHA M	Infosys	Using review & reference tools in Google Docs 2022	05-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	05-11-2024
28	1KS22CS050	HEMAMBHIKA B N	Infosys	Using review & reference tools in Google Docs 2022	06-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	20-11-2024
29	1KS22CS051	HIMASHWETHA K G	Infosys	Using review & reference tools in Google Docs 2022	29-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	29-11-2024

30	1KS22CS052	ISHA MAJI	Infosys	Using review & reference tools in Google Docs 2022	19-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	19-11-2024
31	1KS22CS053	JAHNAVI J H	Infosys	Using review & reference tools in Google Docs 2022	06-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	06-11-2024
32	1KS22CS054	JAYASHREE KUMAR CHIGARI	Infosys	Using review & reference tools in Google Docs 2022	04-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	07-11-2024
33	1KS22CS055	JYOTHSNA R	Infosys	Using review & reference tools in Google Docs 2022	02-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	03-11-2024
34	1KS22CS056	K M THEJDEEP KRISHNA	Infosys	Using review & reference tools in Google Docs 2022	17-12-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	17-12-2024

35	IKS22CS058	KARABASAVVA SUBHASA DODDAMANI	Infosys	Using review & reference tools in Google Docs 2022	17-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	18-11-2024
36	IKS22CS059	KARTHIK KUMAR R	Infosys	Using review & reference tools in Google Docs 2022	19-12-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	22-12-2024
37	IKS22CS061	KAVITA REVANAPPA TAMBAGI	Infosys	Using review & reference tools in Google Docs 2022	03-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	18-11-2024
38	IKS22CS189	SURABHI RAO	Infosys	Using review & reference tools in Google Docs 2022	19-11-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	28-11-2024
39	IKS23CS401	DARSHAN R	Infosys	Using review & reference tools in Google Docs 2022	17-12-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	04-12-2024

40	1KS23CS407	KAVANA S	Infosys	Using review & reference tools in Google Docs 2022		Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	08-12-2024
41	1KS23CS408	KISHORE G	Infosys	Using review & reference tools in Google Docs 2022	17-12-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	04-12-2024
42	1KS23CS409	NAGENDRA M P	Infosys	Using review & reference tools in Google Docs 2022	01-12-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	04-12-2024
43	1KS23CS411	SANJANA K N	Infosys	Using review & reference tools in Google Docs 2022	17-12-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	04-12-2024
44	1KS23CS416	VARSHA V	Infosys	Using review & reference tools in Google Docs 2022	17-12-2024	Leading Security Teams for GenAI Solutions: Protecting Intellectual Property	08-12-2024



CONTENT BEYOND SYLLABUS REPORT

Academic Year	2024-25
Name of the Faculty	Mrs. RoopaOnkar Deshpande
Course Name /Code	RM & IPR ( BRMK557 )
Semester/Section	V/B &V/C
Activity Name	Online Certification ( Infosys Spring Board )
Topic Covered	<ol style="list-style-type: none"><li>1. Leading Security Teams for GenAI Solutions: Protecting Intellectual Property Rights</li><li>2. Using review &amp; reference tools in Google Docs 2022</li></ol>
No. of Participants	125/135
Objectives/Goals	<ul style="list-style-type: none"><li>• To understand how to protect IPR more precisely</li><li>• To improve self-learning skills</li></ul>
ICT Used	E-Learning
Appropriate Method/Instructional Materials/Exam Questions:	
Infosys Springboard: Protecting IPR, Using review & reference tools	
Relevant CO's	CO1, CO2, CO3, CO4, CO5
Relevant PO's:	PO9, PO10, PO12
Significance of Results/Outcomes	<ul style="list-style-type: none"><li>• Students were able to understand the concepts of protecting IPR</li><li>• Students Learnt how to use Review &amp; reference tools in Google Docs</li></ul>
Reflective Critique	<ul style="list-style-type: none"><li>• Certification courses help students show &amp; build their expertise in courses selected</li><li>• It aims students to sharpen their skill sets &amp; prepare well for their future careers</li></ul>



**K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**TEACHING AND LEARNING**

**CONTENT BEYOND SYLLABUS REPORT**

<b>Academic Year</b>	2024-25
<b>Name of the Faculty</b>	Mrs. Roopa Onkar Deshpande
<b>Course Name /Code</b>	RM & IPR ( BRMK557 )
<b>Semester/Section</b>	V/B & V/C
<b>Activity Name</b>	Online Certification ( Infosys Spring Board )
<b>Topic Covered</b>	<ol style="list-style-type: none"><li>1. Leading Security Teams for GenAI Solutions: Protecting Intellectual Property Rights</li><li>2. Using review &amp; reference tools in Google Docs 2022</li></ol>
<b>No. of Participants</b>	125/135
<b>Objectives/Goals</b>	<ul style="list-style-type: none"><li>• To understand how to protect IPR more precisely</li><li>• To improve self-learning skills</li></ul>
<b>ICT Used</b>	E-Learning
<b>Appropriate Method/Instructional Materials/Exam Questions:</b>	
Infosys Springboard: Protecting IPR, Using review & reference tools	
<b>Relevant CO's</b>	CO1, CO2, CO3, CO4, CO5
<b>Relevant PO's:</b>	PO9, PO10, PO12
<b>Significance of Results/Outcomes</b>	<ul style="list-style-type: none"><li>• Students were able to understand the concepts of protecting IPR</li><li>• Students Learnt how to use Review &amp; reference tools in Google Docs</li></ul>
<b>Reflective Critique</b>	<ul style="list-style-type: none"><li>• Certification courses help students show &amp; build their expertise in courses selected</li><li>• It aims students to sharpen their skill sets &amp; prepare well for their future careers</li></ul>

Proofs :

[https://drive.google.com/file/d/1L4N1LFn5FS2xpm4G7V1nLf\\_L-1HOZvgF/view?usp=sharing](https://drive.google.com/file/d/1L4N1LFn5FS2xpm4G7V1nLf_L-1HOZvgF/view?usp=sharing)

Sample copy of the certificate attached





# K. S. Institute of Technology, BANGLORE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ONLINE COURSE-Infosys Springboard-certifications completed by students

ACADEMIC YEAR 2023-24 ODD SEM

Year/Semester/Section: V/A

SL. No	USN	Students name	Details of Certification	Date
1	1KS22CS063	KRUTHANVA R	Online certification ( Infosys Spring Board)	21/11/24
2	1KS22CS064	KUSHI M	Online certification	3/10/24
3	1KS22CS065	L DEEKSHA	( Infosys Spring Board)	26/11/24
4	1KS22CS066	L SHREYAS SRINIVAS	Online certification	21/11/24
5	1KS22CS067	LAKSHMI SHREE K P	( Infosys Spring Board)	19/11/24
6	1KS22CS068	LALITHYA S	Online certification	16/11/24
7	1KS22CS069	LEKHANA L	( Infosys Spring Board)	16/11/24
8	1KS22CS070	LIKHITE K	Online certification	16/11/24
9	1KS22CS071	LIPIKA J	( Infosys Spring Board)	16/11/24
10	1KS22CS072	M ASHRITHA	Online certification ( Infosys Spring Board)	18/11/24

Signature of Course In charge

Signature of HOD





TEACHING AND LEARNING  
**CONTENT BEYOND SYLLABUS**

Academic Year	2024-25 (ODD)
Name of the Faculty	SUMA RAJESH ANANTHAKRISHNA
Course Name /Code	Big Data Analytics/ 21CS71
Semester/Section	VII/A/B
Activity Name	Online Certification (Infosys Springboard)
Topic Covered	<ul style="list-style-type: none"><li>• NoSQL and MongoDB</li><li>• Hadoop and HDFS</li><li>• Big Data Analytics Using Apache Spark</li><li>• Rapid Cassandra</li></ul>
No. of Participants	91/106
Objectives/Goals	<ul style="list-style-type: none"><li>• To understand the concept of Big Data Analytics</li><li>• To improve self Learning skills of students</li></ul>
ICT Used	E-Learning
Appropriate Method/Instructional materials/Exam Questions  Infosys Springboard: Big Data Analytics, Hadoop, HDFS, Apache Tools, MongoDB, Cassandra, NoSQL	
Relevant CO's	CO1,CO2,CO3,CO4,CO5
Relevant PO's	PO9,PO10,PO12
Significance of Results/Outcomes	Students were able to understand the concept of Big Data Analytics.
Reflective Critique	<ul style="list-style-type: none"><li>• Certification courses help students show and build their expertise in courses selected.</li><li>• It aims students to sharpen their skill sets and prepare well for their future career</li><li>• The activity provided the platform for students to apply their knowledge of Big Data Analytics.</li></ul>
<b><u>Drive Link:</u></b>  <a href="https://drive.google.com/drive/folders/1vc2f0-8ZqxdAgXMjdWO_xMKH4g4vMKsg?usp=drive_link">https://drive.google.com/drive/folders/1vc2f0-8ZqxdAgXMjdWO_xMKH4g4vMKsg?usp=drive_link</a>  <b><u>Certificate Proof:</u></b>  	

**Sample Certificate**



**COURSE COMPLETION CERTIFICATE**

The certificate is awarded to

**Ramya Sree**

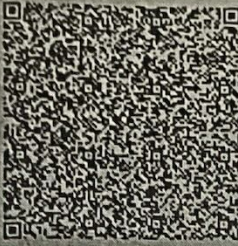
for successfully completing the course

**NoSQL and MongoDB**

on November 19, 2024

**Infosys | Springboard**

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Executive Vice President and Global Head  
Education, Training & Assessment (ETA)  
Infosys Limited



**COURSE COMPLETION CERTIFICATE**

The certificate is awarded to

**Chaitra M**

for successfully completing the course

**Hadoop and HDFS**

on December 9, 2024

**Infosys | Springboard**

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Education, Training & Assessment (ETA)  
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Signature of the Course In-charge

Signature of HOD

Head of the Department  
Dept. of Computer Science & Engg  
K. J. Somaiya Institute of Technology  
Bengaluru - 560 109



Online Course- Infosys Springboard completed by students

ACADEMIC YEAR:2024-2025

Semester / Section : VII/ A/B

Sub: BIG DATA ANALYTICS -21CS71

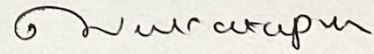
Sl. No.	USN	Name	Platform	Date of Certification
1	1KS21CS001	A RAMYASREE	Infosys Springboard	19/11/2024
2	1KS21CS003	ABHILASHA V	Infosys Springboard	21/11/2024
3	1KS21CS004	ABHIRAM K	Infosys Springboard	30/11/2024
4	1KS21CS005	ABHIRAM YADATORE SHANTARAM	Infosys Springboard	22/11/2024
5	1KS21CS007	ADITHI S REDDY	Infosys Springboard	25/11/2024
6	1KS21CS008	ADITYA V	Infosys Springboard	22/11/2024
7	1KS21CS009	AFIFAH AYESHA BIJLI	Infosys Springboard	22/11/2024
8	1KS21CS012	ANANYA PRASAD S	Infosys Springboard	5/12/2024
9	1KS21CS014	ARCHANA P	Infosys Springboard	19/11/2024
10	1KS21CS015	ARTHAN M GOWDA	Infosys Springboard	22/11/2024
11	1KS21CS016	ASHA H P	Infosys Springboard	1/12/2024
12	1KS21CS018	B G PRAJWAL	Infosys Springboard	22/11/2024
13	1KS21CS021	CHAITRA M	Infosys Springboard	9/12/2024
14	1KS21CS022	CHARISHMA A	Infosys Springboard	20/11/2024
15	1KS21CS023	CHARISHMA M	Infosys Springboard	21/11/2024
16	1KS21CS024	CHEZHAN H	Infosys Springboard	27/11/2024
17	1KS21CS027	DHRUTHI UMESH S	Infosys Springboard	19/11/2024
18	1KS21CS028	D L SHIVANG	Infosys Springboard	1/12/2024
19	1KS21CS029	GAANA S	Infosys Springboard	19/11/2024
20	1KS21CS030	GAGAN SHIVANNA	Infosys Springboard	22/11/2024
21	1KS21CS032	GURUPRASAD Y S	Infosys Springboard	30/11/2024
22	1KS21CS033	HARSHITHA K M	Infosys Springboard	29/11/2024
23	1KS21CS034	HARSHITHA P	Infosys Springboard	20/11/2024
24	1KS21CS035	HARSHITHA R	Infosys Springboard	26/11/2024
25	1KS21CS036	HARSHITHA S	Infosys Springboard	27/11/2024
26	1KS21CS037	HARSHITHA S	Infosys Springboard	20/11/2024
27	1KS21CS038	HEMANTH KUMAR V	Infosys Springboard	21/11/2024
28	1KS21CS039	HRITHIKA V	Infosys Springboard	21/11/2024
29	1KS21CS042	JAHAVI P	Infosys Springboard	25/11/2024
30	1KS21CS043	JASHWANTH P C	Infosys Springboard	28/11/2024
31	1KS21CS045	KANISHK E R	Infosys Springboard	3/12/2024

32	1KS21CS046	KARTHIK H N	Infosys Springboard	22/11/2024
33	1KS21CS047	KAUSHIK G V	Infosys Springboard	27/11/2024
34	1KS21CS048	KAVANA N	Infosys Springboard	25/11/2024
35	1KS21CS049	KAVYA B SINGH	Infosys Springboard	22/11/2024
36	1KS21CS050	KEERTHIKA S	Infosys Springboard	21/11/2024
37	1KS21CS052	KUNAPALLI LAASYA SREE	Infosys Springboard	19/11/2024
38	1KS21CS053	L.LAVANYA	Infosys Springboard	22/11/2024
39	1KS21CS055	MADHU SNEHA SHREE S	Infosys Springboard	19/11/2024
40	1KS21CS056	MANIKANTH	Infosys Springboard	27/11/2024
41	1KS21CS057	MANJUNATH	Infosys Springboard	5/12/2024
42	1KS21CS120	NIDHI R	Infosys Springboard	25/11/2024
43	1KS22CS401	ARBEENA FARHEEN	Infosys Springboard	25/11/2024
44	1KS22CS403	ASHLESH VISHWAKARMA	Infosys Springboard	27/11/2024
45	1KS22CS404	DHANALAKSHMI P	Infosys Springboard	28/11/2024
46	1KS22CS405	KIRAN B S	Infosys Springboard	27/11/2024
47	1KS22CS411	B NAVEEN KUMAR	Infosys Springboard	29/11/2024
48	1KS22CS413	SHIVA KUMAR R	Infosys Springboard	25/11/2024
49	1KS22CS414	SOUNDARYA K S	Infosys Springboard	3/12/2024
50	1KS21CS061	MONIKA D	Infosys Springboard	29/11/2024
51	1KS21CS064	NAGASHREE A	Infosys Springboard	20/11/2024
52	1KS21CS066	NETYAM SHIVSARAN	Infosys Springboard	20/11/2024
53	1KS21CS068	NOOR ZAHIDA	Infosys Springboard	24/11/2024
54	1KS21CS070	POOJA G	Infosys Springboard	20/11/2024
55	1KS21CS071	POOJITHA M V	Infosys Springboard	27/11/2024
56	1KS21CS074	PRIYANKA V	Infosys Springboard	28/11/2024
57	1KS21CS079	RASHMI B PHULARI	Infosys Springboard	28/11/2024
58	1KS21CS080	RAVEESH PRASAD M	Infosys Springboard	17/12/2024
59	1KS21CS082	REDDY TEJASWINI A	Infosys Springboard	19/11/2024
60	1KS21CS083	RUSHIKESH B	Infosys Springboard	5/12/2024
61	1KS21CS084	RUTHU M R	Infosys Springboard	19/11/2024
62	1KS21CS087	SANTHOSH K A	Infosys Springboard	3/12/2024
63	1KS21CS088	SHAMITHA RAVISHANKAR	Infosys Springboard	19/11/2024
64	1KS21CS089	SHEETAL NAIK	Infosys Springboard	19/11/2024
65	1KS21CS090	SHEETHAL G	Infosys Springboard	19/11/2024
66	1KS21CS091	SHEETHAL R	Infosys Springboard	20/11/2024
67	1KS21CS094	SINDHU MEGHA	Infosys Springboard	19/11/2024
68	1KS21CS095	SKANDA KUMAR H S	Infosys Springboard	19/11/2024
69	1KS21CS096	SNEHA S	Infosys Springboard	22/11/2024
70	1KS21CS097	SOUJANYA N	Infosys Springboard	19/11/2024
71	1KS21CS098	SRINIDHI MADHUSUDHAN	Infosys Springboard	19/11/2024

72	1KS21CS099	SUMAN B S	Infosys Springboard	18/11/2024
73	1KS21CS101	SUMUKHA S BHARADWAJ	Infosys Springboard	20/10/2024
74	1KS21CS102	SUNIDHI P	Infosys Springboard	3/12/2024
75	1KS21CS103	SURESH C	Infosys Springboard	26/11/2024
76	1KS21CS104	SUSHMITHA M	Infosys Springboard	4/12/2024
77	1KS21CS106	TEJASHREE GOWDA Y K	Infosys Springboard	17/12/2024
78	1KS21CS107	UJWAL M L	Infosys Springboard	2/12/2024
79	1KS21CS110	VANISHREE	Infosys Springboard	27/11/2024
80	1KS21CS112	VARUN SAI V	Infosys Springboard	20/11/2024
81	1KS21CS115	VILAS V	Infosys Springboard	3/12/2024
82	1KS21CS116	VISHAL KAMAN	Infosys Springboard	3/12/2024
83	1KS21CS117	YASHAS D GOWDA	Infosys Springboard	22/11/2024
84	1KS22CS400	ABHISHEK S	Infosys Springboard	9/12/2024
85	1KS22CS402	ARUNA G N	Infosys Springboard	4/12//2024
86	1KS22CS407	LAYA R	Infosys Springboard	21/11/2024
87	1KS22CS409	MANOHARI S	Infosys Springboard	09/12//2024
88	1KS22CS410	MOHAMMED FAISAL	Infosys Springboard	27/11/2024
89	1KS22CS412	SAINATH A	Infosys Springboard	27/11/2024
90	1KS22CS415	SPANDANA M	Infosys Springboard	21/11/2024
91	1KS22CS416	VEDASHREE S	Infosys Springboard	22/11/2024



Signature of Faculty-Incharge



Signature of HOD

Head of the Department  
 Dept. of Computer Science & Engg.  
 K.S. Institute of Technology  
 Bengaluru -560 109



**K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**TEACHING AND LEARNING**

**CONTENT BEYOND SYLLABUS REPORT**

<b>Academic Year</b>	<b>2024-2025(ODD)</b>
<b>Name of the Faculty</b>	<b>SHRUTHI T S</b>
<b>Course Name /Code</b>	<b>CLOUD COMPUTING/21CS72</b>
<b>Semester/Section</b>	<b>VII A</b>
<b>Activity Name</b>	<b>INFOSYS SPRINGBOARD:CERTIFICATE</b>
<b>Topic Covered</b>	<p><b>Module-1:</b> Introduction ,Cloud Computing at a Glance, Historical Developments, Building Cloud Computing Environments, Amazon Web Services (AWS), Google AppEngine, Microsoft Azure, Hadoop, Force.com and Salesforce.com, Manjrasoft Aneka</p> <p><b>Module-2:</b> Virtualization: Introduction, Characteristics of Virtualized, Environments Taxonomy of Virtualization Techniques, Execution Virtualization, Other Types of Virtualization,</p> <p>Virtualization and Cloud Computing, Pros and Cons of Virtualization, Technology Examples</p> <p><b>Module-3:</b> Cloud Computing Architecture: Introduction, Cloud Reference Model, Types of Clouds, Economics of the Cloud, Open Challenges.</p> <p><b>Module-4:</b> Cloud Security: Risks, Top concern for cloud users, privacy impact assessment, trust, OS security, VM Security, Security Risks posed by shared images and management OS.</p> <p><b>Module-5:</b> Cloud Platforms in Industry Amazon web services: - Compute services, Storage services, Communication services,</p> <p><b>Cloud Applications:</b> Scientific applications: - HealthCare: ECG analysis in the cloud, Biology: gene expression data analysis for cancer diagnosis, Geoscience: satellite image processing. Business and consumer applications: CRM and ERP</p>
<b>No. of Participants</b>	<b>55</b>
<b>Objectives/Goals</b>	<ul style="list-style-type: none"><li>• Understand and analyze various cloud computing platforms and service provider.</li><li>• Illustrate various virtualization concepts.</li><li>• Identify the architecture, infrastructure and delivery models of cloud computing.</li><li>• Understand the Security aspects of CLOUD.</li></ul>

	• Define platforms for development of cloud applications
<b>ICT Used</b>	Google forms
<b>Appropriate Method/Instructional Materials/Exam Questions:</b>	
The students of the class were provided with the following :	
<ol style="list-style-type: none"> <li>1. Cloud Computing Environments,</li> <li>2. Virtualization</li> <li>3. Cloud Computing Architecture</li> <li>4. Cloud Security</li> <li>5. Cloud Platforms in Industry</li> </ol>	
<b>Relevant CO's</b>	CO1,CO2,CO3,CO4,CO5
<b>Relevant PO's:</b>	PO1,PO2,PO3,PO4,PO6,PO9,PO10
<b>Significance of Results/Outcomes</b>	<ul style="list-style-type: none"> <li>• Students were able to understand the cloud computing Applications.</li> </ul>
<b>Reflective Critique</b>	<ul style="list-style-type: none"> <li>• The main goal of QUIZ is how well students understand concepts and will be able to manage the time</li> </ul>

**Proofs :**

Sample copy of the certificate attached

<https://forms.gle/iWZHUcXKFweVzTo67>

1KS2IC5001



## COURSE COMPLETION CERTIFICATE

The certificate is awarded to

**Ramya Sree**

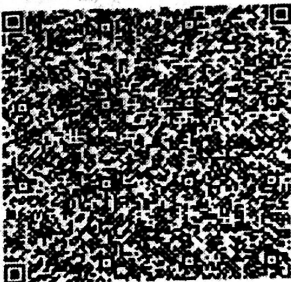
for successfully completing the course

**Cloud Computing**

on November 27, 2024

**Infosys | Springboard**

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Education, Training & Assessment (ETA)  
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Education, Training & Assessment (ETA)  
Infosys Limited

Signature of Course in charge

Signature of HOD  
Head of the Department  
Dept. of Computer Science & Engg  
K. J. Somaiya Institute of Technology  
Bangalore - 560 109





**K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**TEACHING AND LEARNING**

**CONTENT BEYOND SYLLABUS REPORT**

<b>Academic Year</b>	<b>2024-2025(ODD)</b>
<b>Name of the Faculty</b>	<b>RAMYA R</b>
<b>Course Name /Code</b>	<b>CLOUD COMPUTING/21CS72</b>
<b>Semester/Section</b>	<b>VII B</b>
<b>Activity Name</b>	<b>INFOSYS SPRINGBOARD: CERTIFICATE</b>
<b>Topic Covered</b>	<p><b>Module-1:</b> Introduction ,Cloud Computing at a Glance, Historical Developments, Building Cloud Computing Environments, Amazon Web Services (AWS), Google AppEngine, Microsoft Azure, Hadoop, Force.com and Salesforce.com, Manjrasoft Aneka</p> <p><b>Module-2:</b> Virtualization: Introduction, Characteristics of Virtualized, Environments Taxonomy of Virtualization Techniques, Execution Virtualization, Other Types of Virtualization,</p> <p>Virtualization and Cloud Computing, Pros and Cons of Virtualization, Technology Examples</p> <p><b>Module-3:</b> Cloud Computing Architecture: Introduction, Cloud Reference Model, Types of Clouds, Economics of the Cloud, Open Challenges.</p> <p><b>Module-4:</b> Cloud Security: Risks, Top concern for cloud users, privacy impact assessment, trust, OS security, VM Security, Security Risks posed by shared images and management OS.</p> <p><b>Module-5:</b> Cloud Platforms in Industry Amazon web services: - Compute services, Storage services, Communication services, <b>Cloud Applications:</b> Scientific applications: - HealthCare: ECG analysis in the cloud, Biology: gene expression data analysis for cancer diagnosis, Geoscience: satellite image processing. Business and consumer applications: CRM and ERP</p>
<b>No. of Participants</b>	<b>55</b>
<b>Objectives/Goals</b>	<ul style="list-style-type: none"><li>• Understand and analyze various cloud computing platforms and service provider.</li><li>• Illustrate various virtualization concepts.</li><li>• Identify the architecture, infrastructure and delivery models of cloud computing.</li><li>• Understand the Security aspects of CLOUD.</li><li>• Define platforms for development of cloud applications</li></ul>
<b>ICT Used</b>	<b>Google forms</b>

**Appropriate Method/Instructional Materials/Exam Questions:**

The students of the class were provided with the following :

1. Cloud Computing Environments,
2. Virtualization
3. Cloud Computing Architecture
4. Cloud Security
5. Cloud Platforms in Industry

Relevant CO's	CO1,CO2,CO3,CO4,CO5
Relevant PO's:	PO1,PO2,PO3,PO4,PO6,PO9,PO10
Significance of Results/Outcomes	<ul style="list-style-type: none"><li>• Students were able to understand the cloud computing Applications.</li></ul>
Reflective Critique	<ul style="list-style-type: none"><li>• The main goal of QUIZ is how well students understand concepts and will be able to manage the time</li></ul>

**Proofs :**

Sample copy of the certificate attached

<https://forms.gle/eDxZ9cP72ZSeWz668>



**COURSE COMPLETION CERTIFICATE**

The certificate is awarded to

**Shamitha Ravishankar**

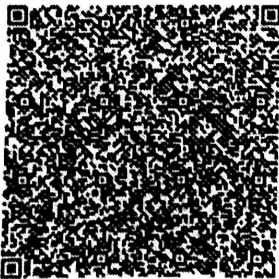
for successfully completing the course

Cloud Computing

on November 29, 2024

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Thirumala Arohi  
Executive Vice President and Global Head  
Education, Training & Assessment (ETA)  
Infosys Limited



# COURSE COMPLETION CERTIFICATE

The certificate is awarded to

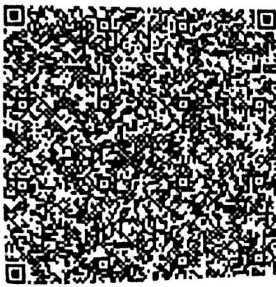
**Suman B S**

for successfully completing the course  
**Virtualization and Cloud Computing**

on December 2, 2024

**Infosys | Springboard**

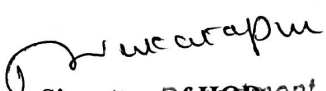
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Education, Training & Assessment (ETA)  
Infosys Limited

  
Signature of Course In charge

  
Signature of HOD  
Head of the Department  
Dept. of Computer Science & Engg  
K.S. Institute of Technology  
Bengaluru -560 109



**K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**TEACHING AND LEARNING**

**CONTENT BEYOND SYLLABUS REPORT**

Academic Year	2024-25, ODD SEMESTER
Name of the Faculty	Mr.LAXMIKANTHA K
Course Name /Code	Cryptography & Network Security/21CS733
Semester/Section	7 <sup>th</sup> /A
Activity Name	INFOSYS SPRING BOARD CERTIFICATION - CNS
Topic Covered	CNS –ALL MODULES
Date	12/12/2024
No. of Participants	55
Objectives/Goals	Student will learn Cryptography & Network Security subject content beyond syllabus.
ICT Used	INFOSYS SPRING BOARD PLATFORM
Appropriate Method/Instructional Materials/Exam Questions:	INFOSYS SPRING BOARD PLATFORM
Relevant CO's:	CO4, CO5
Relevant PO's:	PO1,PO2,PO5,PO6,PO12
Significance of Results/Outcomes	STUDENT LEARNT CRYPTOGRAPHY & NETWORK SECURITY SUBJECT IN ELABORATIVE WAY USING INFOSYS SPRING BOARD
Reflective Critique	•
Proofs:	Sample copy of the certificate attached.

Charishma, A  
IKS21CS022



## COURSE COMPLETION CERTIFICATE

The certificate is awarded to

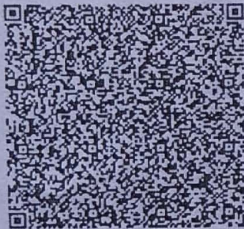
**Charishma A**

for successfully completing the course  
**Fundamentals of Cryptography**

on December 12, 2024

**Infosys | Springboard**

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Issued on: Thursday, December 12, 2024  
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Executive Vice President and Global Head  
Education, Training & Assessment (ETA)  
Infosys Limited

Signature of Course In charge

Signature of HOD

Head of the Department  
Dept. of Computer Science & Engg  
K.S. Institute of Technology  
Bengaluru -560 109





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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**TEACHING AND LEARNING**

**CONTENT BEYOND SYLLABUS REPORT**

<b>Academic Year</b>	2024-25
<b>Name of the Faculty</b>	SWAPNA SUBHASH BANASODE
<b>Course Name /Code</b>	Deep Learning/21CS743
<b>Semester/Section</b>	VII/ 'A'
<b>Activity Name</b>	Online Certification (Infosys Springboard)
<b>Topic Covered</b>	Deep Learning
<b>No. of Participants</b>	26
<b>Objectives/Goals</b>	<ul style="list-style-type: none"><li>• Deep learning covers the theory and practice of a big family of very effective techniques today in the domain of machine learning.</li><li>• The objective of the deep learning is to enable students to get familiarity with this area and to gain adequate knowledge to apply the techniques in solving real world problems.</li></ul>
<b>ICT Used</b>	E-Learning
<b>Appropriate Method/Instructional Materials/Exam Questions:</b> Infosys Springboard: Deep Learning with Keras	
<b>Relevant CO's</b>	CO1,CO2,CO3,CO4,CO5
<b>Relevant PO's:</b>	PO1,PO2,PO3,PO4,PO5,PO7,PO9,PO12
<b>Significance of Results/Outcomes</b>	<ul style="list-style-type: none"><li>• Students were able to understand the Concepts of Deep Learning and its applications.</li></ul>
<b>Reflective Critique</b>	<ul style="list-style-type: none"><li>• Certification courses help students to show and build their expertise in Course selected.</li><li>• Certification courses aim to help students sharpen their skill sets and prepare for the workplace.</li><li>• The activity provided a platform for students to apply their knowledge of deep learning.</li></ul>

Proofs :

[https://drive.google.com/drive/folders/1SCt109hGY0uRruJp4u8OEXiOuBHAZjRu?usp=drive link](https://drive.google.com/drive/folders/1SCt109hGY0uRruJp4u8OEXiOuBHAZjRu?usp=drive_link)

Sample copy of the certificate attached here

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**Ramya Sree**

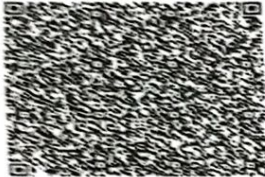
for successfully completing the course

**Deep Learning with Keras**

on November 19, 2024

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**Thirumala Arohi**  
Executive Vice President and Global Head  
Education, Training & Assessment (ETA)  
Infosys Limited

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## COURSE COMPLETION CERTIFICATE

The certificate is awarded to

**Ananya Prasad S**

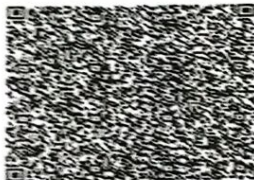
for successfully completing the course

**Deep Learning Tutorials**

on December 18, 2024

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Executive Vice President and Global Head  
Education, Training & Assessment (ETA)  
Infosys Limited

Signature of Course In charge

Signature of HOD

Head of the Department  
Dept of Computer Science & Engg  
Institute of Technology  
Bangalore -560 109

**K.S. INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF COMPUTER SCIENCE & ENGG**  
**ONLINE COURSE-Infosys Springboard-certifications completed by students**  
**ACADEMIC YEAR 2024-25 ODD SEM**

**DEEP LEARNING 21CS743**

**Year/Semester/Section: 2024-25/VII/A**

SL. NO.	USN	NAME OF THE STUDENT	PLATFORM	DETAILS OF CERTIFICATION	DURATION/DATE
1	1KS21CS001	A RAMYASREE	Infosys	Deep Learning with Keras	19-11-2024
2	1KS21CS012	ANANYA PRASAD S	Infosys	Deep Learning with Keras	18-12-2024
3	1KS21CS014	ARCHANA P	Infosys	Deep Learning with Keras	08-11-2024
4	1KS21CS022	CHARISHMA A	Infosys	Deep Learning with Keras	02-12-2024
5	1KS21CS023	CHARISHMA M	Infosys	Deep Learning with Keras	21-11-2024
6	1KS21CS024	CHETHAN H	Infosys	Deep Learning with Keras	27-11-2024
7	1KS21CS027	DHRUTHI UMESH S	Infosys	Deep Learning with Keras	19-11-2024
8	1KS21CS028	D L SHIVANG	Infosys	Deep Learning with Keras	03-12-2024
9	1KS21CS029	GAANA S	Infosys	Deep Learning with Keras	13-11-2024
10	1KS21CS030	GAGAN SHIVANNA	Infosys	Deep Learning with Keras	20-11-2024
11	1KS21CS034	HARSHITHA P	Infosys	Deep Learning with Keras	25-11-2024
12	1KS21CS035	HARSHITHA R	Infosys	Deep Learning with Keras	26-11-2024
13	1KS21CS036	HARSHITHA S	Infosys	Deep Learning with Keras	27-11-2024
14	1KS21CS037	HARSHITHA S	Infosys	Deep Learning with Keras	20-11-2024
15	1KS21CS039	HRITHIKA V	Infosys	Deep Learning with Keras	21-11-2024
16	1KS21CS043	JASHWANTH P C	Infosys	Deep Learning with Keras	28-11-2024
17	1KS21CS045	KANISHK E R	Infosys	Deep Learning with Keras	02-12-2024
18	1KS21CS047	KAUSHIK G V	Infosys	Deep Learning with Keras	27-11-2024
19	1KS21CS048	KAVANA N	Infosys	Deep Learning with Keras	25-11-2024
20	1KS21CS052	KUNAPALLI LAASYA SREE	Infosys	Deep Learning with Keras	04-11-2024
21	1KS21CS055	MADHU SNEHA SHREE S	Infosys	Deep Learning with Keras	08-11-2024
22	1KS21CS056	MANIKANTH	Infosys	Deep Learning with Keras	27-11-2024
23	1KS21CS057	MANJUNATH	Infosys	Deep Learning with Keras	27-11-2024



24	1KS22CS404	DHANALAKSHMI P	Infosys	Deep Learning with Keras	03-12-2024
25	1KS22CS405	KIRAN B S	Infosys	Deep Learning with Keras	27-11-2024
26	1KS22CS411	B NAVEEN KUMAR	Infosys	Deep Learning with Keras	28-11-2024



**K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**TEACHING AND LEARNING**

**CONTENT BEYOND SYLLABUS REPORT**

<b>Academic Year</b>	2024-25
<b>Name of the Faculty</b>	ROOPASHREE S V
<b>Course Name /Code</b>	DEEP LEARNING (21CS743)
<b>Semester/Section</b>	7 "B"
<b>Activity Name</b>	Value Added Course
<b>Topic Covered</b>	Deep learning
<b>No. of Participants</b>	50
<b>Objectives/Goals</b>	<ul style="list-style-type: none"><li>• Deep learning aims to automate tasks that traditionally require human cognition, such as recognizing speech, identifying objects in images, translating languages, and making predictions.</li><li>• One of the central objectives is to improve the ability of machines to recognize patterns in data, whether it's images, sound, or text.</li><li>• Deep learning models aim to make highly accurate predictions or forecasts based on historical data.</li><li>• Deep learning models aim to find optimal solutions to complex optimization problems, often involving high-dimensional data.</li></ul>
<b>ICT Used</b>	<b>E-Learning</b>
<b>Appropriate Method/Instructional Materials/Exam Questions:</b> The students of the class were provided with the following : <ol style="list-style-type: none"><li>1. Project-Based Learning</li><li>2. Lectures and Presentations</li><li>3. Discussion and Group Work</li><li>4. Visualizations and Interactive Tools</li></ol>	
<b>Relevant CO's</b>	CO1, CO2, CO3, CO4, CO5.
<b>Relevant PO's:</b>	PO1, PO2, PO3, PO4, PO5, PO6, PO12.
<b>Significance of Results/Outcomes</b>	Students were able to understand the Deep learning concepts.
<b>Reflective Critique</b>	Earning a deep learning certification marks a key milestone, but continuous reflection and learning are essential for further growth and mastery in this evolving field.
<b>Proofs :</b> <a href="https://drive.google.com/drive/folders/1gANj47keAyfvGVRe-tj9CE4l7hehLUOY?usp=drive_link">https://drive.google.com/drive/folders/1gANj47keAyfvGVRe-tj9CE4l7hehLUOY?usp=drive_link</a>	
<b>Sample copy of the certificate attached</b>	



## COURSE COMPLETION CERTIFICATE

The certificate is awarded to  
**omkar Magadam**  
for successfully completing the course  
**Deep Learning with Keras**  
on November 27, 2024



Issued on: Wednesday, December 4, 2024  
To verify, scan the QR code at <https://verify.comspringboard.com>

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Thirumala Arohi  
Executive Vice President and Global Head  
Education, Training & Assessment (ETA)  
Infosys Limited



## COURSE COMPLETION CERTIFICATE


The certificate is awarded to  
**Shamitha Ravishankar**  
for successfully completing the course  
**Deep Learning Tutorials**  
on November 6, 2024



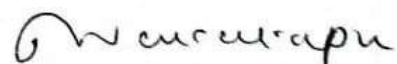
Issued on: Monday, November 11, 2024  
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Executive Vice President and Global Head  
Education, Training & Assessment (ETA)  
Infosys Limited

  
Signature of Course In charge

  
Signature of HOD  
Head of the Department  
Dept. of Computer Science & Engg  
K.S. Institute of Technology  
Bengaluru -560 109



# K. S. Institute of Technology, BANGLORE

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### ONLINE COURSE-Infosys Springboard-certifications completed by students

#### ACADEMIC YEAR 2023-24 ODD SEM

Year/Semester/Section: VII/B

SL. No	USN	Students name	Platform	Details of Certification	Duration/Date
1	IKS21CS061	MONIKA D	Great Learning	Deep Learning with Python	12/11/2024
2	IKS21CS062	N VIDYASAGAR	Infosys	Introduction to Deep Learning	18/12/2024
3	IKS21CS064	NAGASHREE A	Great Learning	Introduction to Deep Learning	5/11/2024
4	IKS21CS066	NETYAM SHIVSARAN	Infosys	Deep Learning Tutorials	20/11/2024
5	IKS21CS067	NIKHIL SAI K V	Simplilearn	Deep Learning Engineer	17/12/2024
6	IKS21CS069	OMKAR ARJUN MAGADUM	Infosys	Deep Learning with Keras	27/11/2024
7	IKS21CS070	POOJA G	Great Learning	Introduction to Deep Learning	5/11/2024
8	IKS21CS071	POOJITHA M V	Infosys	Introduction to Deep Learning	10/12/2024
9	IKS21CS072	POOJITHA R	Infosys	Deep learning and Neural Network	22/12/2024
10	IKS21CS074	PRIYANKA V	Infosys	Deep Learning Tutorials	17/12/2024
11	IKS21CS076	R HARSHA	Simplilearn	Deep Learning Engineer	17/12/2024
12	IKS21CS079	RASHMI B PHULARI	Infosys	Deep Learning Tutorials	28/11/2024
13	IKS21CS080	RAVEESH PRASAD M	Infosys	Deep Learning Tutorials	07/12/2024
14	IKS21CS082	REDDY TEJASWINI A	Infosys	Introduction to Deep Learning	7/12/2024
15	IKS21CS083	RUSHIKESH B	Infosys	Deep Learning Tutorials	5/12/2024
16	IKS21CS084	RUTHU M R	Infosys	Deep learning and Neural Network	20/11/2024
17	IKS21CS085	SAGAR S N	Simplilearn	Deep Learning Engineer	17/12/2024
18	IKS21CS087	SANTHOSH K A	Infosys	Deep Learning Tutorials	03/12/2024
19	IKS21CS088	SHAMITHA RAVISHANKAR	Infosys	Deep Learning Tutorials	6/11/2024
20	IKS21CS089	SHEETAL NAIK	Infosys	Deep Learning with R	19/11/2024
21	IKS21CS090	SHEETHAL G	Infosys	Deep learning and Neural Network	20/11/2024
22	IKS21CS091	SHEETHAL R	Infosys	Deep Learning for Developers	19/11/2024

23	1KS21CS092	SHOEB AHMED QUADRI	Infosys	Optimized Deep Learning Application	17/12/2024
24	1KS21CS093	SHREYAS C	Simplilearn	Deep Learning Engineer	17/12/2024
25	1KS21CS094	SINDHU MEGHA	Infosys	Deep Learning Tutorials	7/11/2024
26	1KS21CS095	SKANDA KUMAR H S	Infosys	Deep Learning with JAVA	20/11/2024
27	1KS21CS096	SNEHA S	Infosys	Deep Learning Tutorials	6/11/2024
28	1KS21CS097	SOUJANYA N	Infosys	Deep Learning with JAVA	23/11/2024
29	1KS21CS098	SRINIDHI MADHUSUDHAN	Infosys	Deep Learning Tutorials	7/11/2024
30	1KS21CS099	SUMAN B S	Infosys	Deep Learning Tutorials	27/10/2024
31	1KS21CS101	SUMUKHA S BHARADWAJ	Infosys	Deep Learning Tutorials	20/11/2024
32	1KS21CS102	SUNIDHI P	Infosys	Introduction to Deep Learning	6/12/2024
33	1KS21CS103	SURESH C	Infosys	Deep Learning Tutorials	26/11/2024
34	1KS21CS104	SUSHMITHA M	Infosys	Introduction to Deep Learning	22/11/2024
35	1KS21CS106	TEJASHREE GOWDA Y K	Infosys	Introduction to Deep Learning	18/12/2024
36	1KS21CS107	UJWAL M L	Infosys	Introduction to Deep Learning	7/12/2024
37	1KS21CS110	VANISHREE	Infosys	Introduction to Deep Learning	21/11/2024
38	1KS21CS112	VARUN SAI V	Infosys	Deep Learning Tutorials	20/11/2024
39	1KS21CS115	VILAS V	Infosys	Introduction to Deep Learning	16/12/2024
40	1KS21CS116	VISHAL KAMAN	Infosys	Introduction to Deep Learning	6/12/2024
41	1KS21CS117	YASHAS D GOWDA	Infosys	Deep Learning with JAVA	29/11/2024
42	1KS22CS400	ABHISHEK S	Infosys	Deep Learning with JAVA	29/11/2024
43	1KS22CS402	ARUNA G N	Infosys	Introduction to Deep Learning	22/11/2024
44	1KS22CS406	LAKSHMEESH M V	Infosys	Introduction to Deep Learning	28/11/2024
45	1KS22CS407	LAYA R	Infosys	Deep Learning with Python	20/11/2024
46	1KS22CS409	MANOHARI S	Infosys	Deep Learning with JAVA	29/11/2024
47	1KS22CS410	MOHAMMED FAISAL	Infosys	Optimized Deep Learning Application	26/11/2024
48	1KS22CS412	SAINATH A	Infosys	Introduction to Deep Learning	26/11/2024
49	1KS22CS415	SPANDANA M	Infosys	Deep Learning with Python	21/11/2024
50	1KS22CS416	VEDASHREE S	Infosys	Deep Learning with Python	22/11/2024



**K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**TEACHING AND LEARNING**  
**ACADEMIC YEAR 2024-25 ODD SEM**

**CONTENT BEYOND SYLLABUS REPORT**

Academic Year	2024 -25 ODD SEMESTER
Name of the Faculty	Mr.T SOMASEKHAR
Course Name /Code	NOSQL/21CS745
Semester/Section	7 <sup>TH</sup> SEMESTER/A/B
Activity Name	INFOSYS SPRING BOARD CERTIFICATION - NOSQL
Topic Covered	NO SQL ALL MODULES
No. of Participants	28
Objectives/Goals	STUDENTS LEARN NOSQL_MONGODB CONTENT BEYOND SYLLABUS
ICT Used	INFOSYS SPRING BOARD PLATFORM

**Appropriate Method/Instructional Materials/Exam Questions:**

**INFOSYS SPRING BOARD PLATFORM \_ONLINE \_MATERIALS**

Relevant CO's	CO4,CO5
Relevant PO's:	PO1,PO2,PO5,PO6,PO12
Significance of Results/Outcomes	Students learnt nosql databases elaboratively using infosys spring board platform.
Reflective Critique	Students Gained more Knowledge on Mongo DB using Infosys Spring board Certification program.

**Proofs :**

**Certificates link:** <https://drive.google.com/drive/folders/1M1N6TpTsE3rYR4BAkr4X-CffSU9MIFu0>

**Sample copy of the certificate attached:**





# K. S. Institute of Technology, BANGLORE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

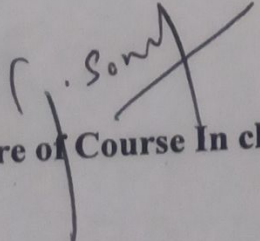
ONLINE COURSE-Infosys Springboard-certification completed by students

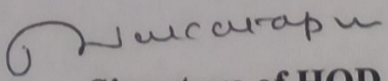
ACADEMIC YEAR 2024-25 ODD SEM

Year/Semester/Section: VII/A and B

SL No	USN	Students name	Platform	Details of Certification	Duration(1 day) /Date
1	1KS21CS003	ABHILASHA V	Infosys springboard	NoSQL and MongoDB	November 21, 2024
2	1KS21CS004	ABHIRAM K	Infosys springboard	NoSQL and MongoDB	November 21, 2024
3	1KS21CS005	ABHIRAM YADATORE SHANTARAM	Infosys springboard	NoSQL and MongoDB	November 21, 2024
4	1KS21CS007	ADITHI S REDDY	Infosys springboard	NoSQL and MongoDB	November 25, 2024
5	1KS21CS008	ADITYA V	Infosys springboard	NoSQL and MongoDB	November 21, 2024
6	1KS21CS009	AFIFAH AYESHA BIJLI	Infosys springboard	NoSQL and MongoDB	November 22, 2024
7	1KS21CS010	AISHWARYA G	Infosys springboard	NoSQL and MongoDB	November 22, 2024
8	1KS21CS015	ARTHAN M GOWDA	Infosys springboard	NoSQL and MongoDB	November 22, 2024
9	1KS21CS016	ASHA H P	Infosys springboard	NoSQL and MongoDB	December 1, 2024
10	1KS21CS018	B G PRAJWAL	Infosys springboard	NoSQL and MongoDB	November 22, 2024
11	1KS21CS020	BHAVANA B	Infosys springboard	NoSQL and MongoDB	November 22, 2024
12	1KS21CS021	CHAITRA M	Infosys springboard	NoSQL and MongoDB	November 21, 2024
13	1KS21CS025	DARSHAN S	Infosys springboard	NoSQL and	November 30, 2024

14	1KS21CS032	GURUPRASAD Y S	Infosys springboard	MongoDB NoSQL and MongoDB	November 30, 2024
15	1KS21CS038	HEMANTH KUMAR V	Infosys springboard	NoSQL and MongoDB	November 21, 2024
16	1KS21CS040	IBBANI V GOWDA	Infosys springboard	NoSQL and MongoDB	November 22, 2024
17	1KS21CS042	JAHNAVI P	Infosys springboard	NoSQL and MongoDB	November 25, 2024
18	1KS21CS046	KARTHIK H N	Infosys springboard	NoSQL and MongoDB	November 21, 2024
19	1KS21CS049	KAVYA B SINGH	Infosys springboard	NoSQL and MongoDB	November 22, 2024
20	1KS21CS050	KEERTHIKA S	Infosys springboard	NoSQL and MongoDB	November 21, 2024
21	1KS21CS053	L.LAVANYA	Infosys springboard	NoSQL and MongoDB	November 22, 2024
22	1KS21CS060	MAYA	Infosys springboard	NoSQL and MongoDB	November 22, 2024
23	1KS21CS120	NIDHI R	Infosys springboard	NoSQL and MongoDB	November 25, 2024
24	1KS22CS401	ARBEENA FARHEEN	Infosys springboard	NoSQL and MongoDB	November 25, 2024
25	1KS22CS403	ASHLESH VISHWAKARMA	Infosys springboard	NoSQL and MongoDB	November 22, 2024
26	1KS22CS413	SHIVAKUMAR R	Infosys springboard	NoSQL and MongoDB	November 25, 2024
27	1KS22CS414	SOUNDARYA K S	Infosys springboard	NoSQL and MongoDB	November 21, 2024
28	1KS21CS068	NOOR ZAHIDA	Infosys springboard	NoSQL and MongoDB	November 24, 2024

  
Signature of Course In charge

  
Signature of HOD  
Head of the Department  
Dept. of Computer Science & Engg  
K.S. Institute of Technology  
Bengaluru -560 109