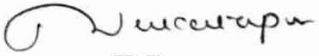




Details of Content beyond Syllabus Activities-2023-24 (ODD)

Semester/ Section	Course Name	Content beyond syllabus activity conducted	POs Covered	Faculty	Number of students Particip ated
III /B	Social Connect &Responsibility- BSCK307	Module wise exhibition	1,2,3,5,9,10	Mrs. Shruthi T S	69
III/C	Object Oriented Programming with JAVA- EBCS306A	Infosys Springboard: certificate On Java Essentials	1,2,3,5,9,10	Mrs. Ramya r	67
V/A&B	Automata theory and Compiler Design- 21CS51	Infosys Springboard: certificate On Computational Theory :Language Principle &Finite Automata Theory	9,10,12	Dr.Sunita Chalageri	130
V/A	Computer Network- 21CS52	Mini Project	5,9,12	Dr.Rekha B Venkatapur	69
V/B	Computer Network- 21CS52	Mini Project	5,9,12	Dr.Rekha B Venkatapur	69
VII/A&B	Big Data Analytics- 18CS72	Skill up certificate on Introduction to the Components of Hadoop for Beginners	1,2,3,5,9,10,12	Dr R.Senkamalav alli	120


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

CONTENT BEYOND SYLLABUS

Academic Year	2023-2024(ODD)
Name of the Faculty	Mrs. Shruthi T S
Course Name /Code	SOCIAL CONNECT & RESPONSIBILITY(BSCK307)
Semester/Section	III/ "B" SEC
Activity Name	Module wise Exhibition
Date	30/01/2024
No. of Participants	69
Objectives/Goals	<ul style="list-style-type: none">To improve the self-learning skills of students.To improve the Communication skills of students.
ICT Used	Online mode
Appropriate Method/Instructional materials/Exam Questions <ul style="list-style-type: none">Initially delivered lecture and explained some examples on given topics.Students are given with additional information/sources from which they can prepare innovatively and present on the same in Exhibition.	
Relevant PO's:	PO1,PO2,PO3,PO5,P9,P10
Significance of Results/Outcomes	<ul style="list-style-type: none">Students tried to open up and improve their Social connectivity skills and communication skills.
Reflective Critique	<ul style="list-style-type: none">The activity improved the learning and communication skills of students.The activity provided a platform for students to interact with peers, improve their communication skills and work as individuals
Proofs(Photographs/Videos/Report/Charts/Models): https://drive.google.com/drive/u/1/folders/13cNbiudYp2Rd2_h40ejIs1gJnCSsxti copy of the certificate attached	



Kannayan Sangham (K) 1952 K. S. Group of Institutions



K S INSTITUTE OF TECHNOLOGY
 No.14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109, KY00710033
 Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi. Accredited by NAAC
 NBA (CSE, ECE, ME), & QI - Gauge (Gold)



CERTIFICATE OF PARTICIPATION


This is to certify that **KRUTHANVA R** bearing **1KS22CS063** of **3rd Semester CSE** has participated in the **Poster Making Competition** aligned with Course **"Social Connect and Responsibilities"** organized by the Department of Computer Science & Engineering, KSIT on **30th January, 2024**.

Shruthi T S
Shruthi T S
 Event Coordinator


Dr. Rekha B Venkatapur
Dr. Rekha B Venkatapur
 Prof. & Head, CSE

Dr. Dilip Kumar K
Dr. Dilip Kumar K
 Principal & Director, KSIT

Kannayan Sangham (K) 1952 K. S. Group of Institutions



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CERTIFICATE OF PARTICIPATION

This is to certify that **L DEEKSHA** bearing **1KS22CS065** of **3rd Semester CSE** has participated in the **Poster Making Competition** aligned with Course **"Social Connect and Responsibilities"** organized by the Department of Computer Science & Engineering, KSIT on **30th January, 2024**.

Shruthi T S
Shruthi T S
 Event Coordinator

Dr. Rekha B Venkatapur
Dr. Rekha B Venkatapur
 Prof. & Head, CSE

Dr. Dilip Kumar K
Dr. Dilip Kumar K
 Principal & Director, KSIT

Shruthi T S
Signature of Course In charge

Dr. Dilip Kumar K
Signature of HOD

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



CONTENT BEYOND SYLLABUS

Academic year	2023-2024
Name of the Faculty	RAMYA R
Course Name/Code	BCS306A
Semester/Section	III
Activity Name	Infosys Springboard: Certificate
Date	8/01/2024
No.of participants	67
Objectives/Goals	To understand the Java basics more Precisely
ICT Used	Online mode
Appropriate method/Instructional materials/Exam questions	<ul style="list-style-type: none">Initially delivered a lecture on Oop with JAVALater students were assigned and completed with practical implementation
Relevant Po's	PO1,PO2,PO3,PO5,P9,P10
Significance of Results/Outcomes	Able to understand the basic concepts Java Basic
Reflective Critique	The certification course explores the thinking ability of the students and self-reflection of their knowledge of the concept.
Proofs :	
https://drive.google.com/drive/folders/1wzFmDD8zuADVLK7cEHbIznm90H-JRw_5	
Sample copy of the certificate attached	



COURSE COMPLETION CERTIFICATE

The certificate is awarded to

Saketh A V

for successfully completing the course

Java Essentials

on January 12, 2024

Infosys | Springboard

Congratulations! You make us proud!



Issued on: Saturday, January 13, 2024
To verify, scan the QR code at <https://infosys.springboard.com>


Thirumala Anshu
Senior Vice President and Head
Education, Training and Assessment (ETA)
Infosys Limited



COURSE COMPLETION CERTIFICATE

The certificate is awarded to

Shravya R

for successfully completing the course

Programming in Core Java

on January 10, 2024

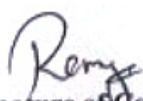
Infosys | Springboard

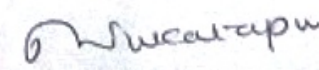
Congratulations! You make us proud!



Issued on: Tuesday, January 16, 2024
To verify, scan the QR code at <https://infosys.springboard.com>


Thirumala Anshu
Senior Vice President and Head
Education, Training and Assessment (ETA)
Infosys Limited


Signature of Course Incharge


HOD-CSE
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	2023-2024(odd)
Name of the Faculty	Dr.Sunita Chalageri
Course Name /Code	Automata Theory and Compiler Design(21CS51)
Semester/Section	5 th A and B
Activity Name	Online Certification(Infosys Springboard)
Topic Covered	Finite Automata Theory
No. of Participants	130/130
Objectives/Goals	<ul style="list-style-type: none">• To understand the topic more precisely• To improve the self-learning skills of students
ICT Used	E-Learning
Appropriate Method/Instructional Materials/Exam Questions: Infosys Springboard: Language principle & Finite 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">• Students were able to understand the Concepts of automata theory and its applications.
Reflective Critique	<ul style="list-style-type: none">• Certification courses help students show and build their expertise in <i>Courses selected</i>• Certification courses aim to help students sharpen their skill sets and get prepared for the workplace.• The activity provided a platform for students to apply their knowledge of Automata Theory.
Proofs : https://drive.google.com/drive/u/2/folders/1rpPoS3nXik8tfUloZxEc1TvqBScBg8JL Sample copy of the certificate attached	

COURSE COMPLETION CERTIFICATE

The certificate is awarded to

Reddy Tejaswini A

for successfully completing the course

Computational Theory: Language Principle & Finite Automata Theory

on December 23, 2023

Infosys | Springboard

Congratulations! You make us proud!



Issued on: Sunday, December 24, 2023
To verify, scan the QR code at <https://verify.onwingspan.com>

Thirumala Arohi
Senior Vice President and Head
Education, Training and 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 SCIENCES & ENGINEERING
TEACHING AND LEARNING
CONTENT BEYOND REPORT

Academic Year	2023-2024 (ODD)
Name of the Faculty	Dr Rekha B Venkatapur
Course Name /Code	Computer Programming / 21CS52
Semester/Section	5th A
Activity Name	Mini Project
Topic Covered	Wireshark tool and Network traffic analysis
Date	29-2-24 & 14-3-2024
No. of Participants	Total students =69. Project implementation done in teams
Objectives/Goals	To analyse the Network traffic parameters
Gaps Identified	Real time Network analyser tool usage
Mode of Delivery of content Beyond Syllabus	Project Implementation
ICT Used	Wireshark tool, Internet facility to analyse traffic
Appropriate Method/Instructional materials/Exam Questions Students are grouped in teams. The parameters are defined, wireshark user guide is shared to the students and training is given to analyse the traffic Students of the team are asked to identify appropriate techniques for analyzing parameters. Mini Project Titles and Problem statement along with objectives are framed by Course in charge. The Topics of Mini Project are as follows Web Server monitoring techniques Flooding attack detection using anomaly techniques with wireshark Detecting TCP Xmas Scan using pattern analysis techniques Out come In this discussion, key questions to be examined are <ol style="list-style-type: none">1. How well the students understood the topics taught in the class?2. Whether they are indulging in experiential learning by practicing the commands?3. Are they able to work as an individual and present the work?4. Are they able to work as a team to accomplish assigned task?	
Relevant PO's:	PO: PO5, PO9 and PO12
Significance of Results/Outcomes	Students able to complete the task, got experiential learning environment, learnt new tool
Reflective Critique	Individual and team contributions are exhibited

Proofs (Photographs/Videos/Reports/Charts/Models)



Fig 1 Web Server monitoring techniques Mini Project Demo by Masum Kumar (Team Leader)

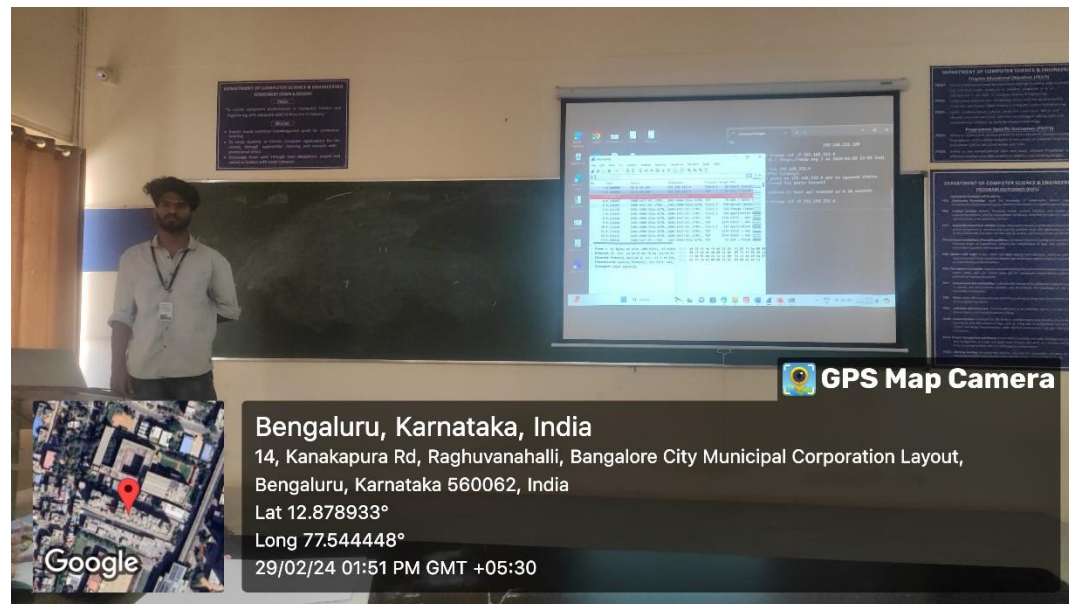


Fig 2. . Detecting TCP Xmas Scan using pattern analysis techniques - Mini Project demonstration session by Sri Sai (Team Leader)

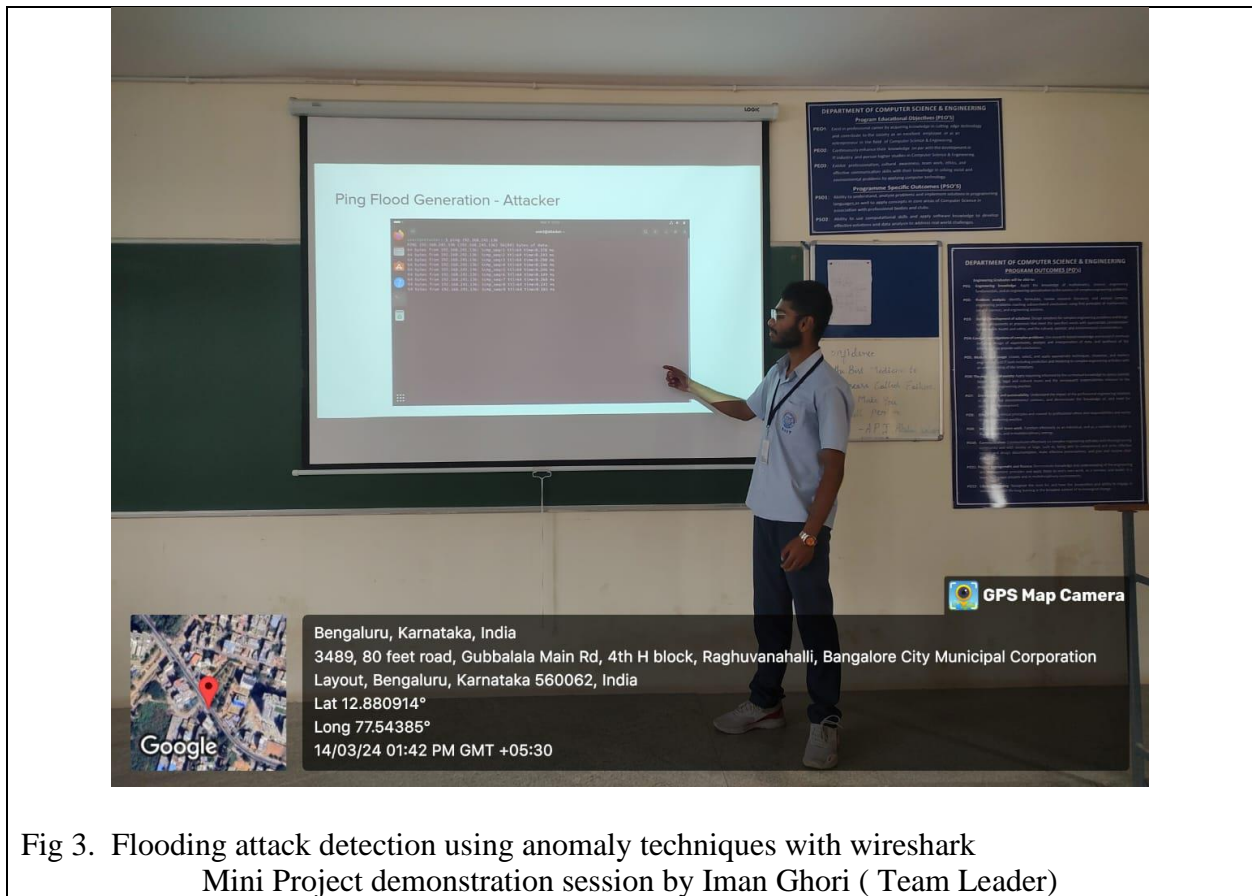


Fig 3. Flooding attack detection using anomaly techniques with wireshark
Mini Project demonstration session by Iman Ghori (Team Leader)

Important dates:

Sl.No	Details	Date
1.	Date of issue of topics for presentation	12-2-2024
2.	Dates for Appeal/challenge (on or before)	24-2-2024
3.	Last date for the submission of the Project report (OR) If it is a poster presentation, the posters should be submitted in person by the batch of students.	11-3-2024
4.	Demo Presentation date [as per schedule shared]	29-2-2024
5.	Date of announcement of evaluation details for demo/oral presentation/ poster presentation	16-3-2024

Note: A

assignments marks will not be given if assignments submitted on later dates and failed to present a seminar/demo.

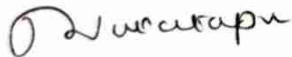
Guidelines for Project Report

The project report should contain the following:

- Cover page
- Certificate
- Contents
- Introduction
- Objectives -Tasks
- Methodology/Details of Project
- Results
- Conclusion
- Personal Reflections and learning
- References

Rubrics/Evaluation Strategy

Sl. No	Criteria	Marks
1.	Tool Learning and Results	2
2.	Quality of Team Demo	2
3.	Quality of Project Report	2
4.	Usefulness to society/environment	2
5.	Individual Contribution to Project	2
	Total	10



Signature of Staff

Dr. REKHA B. VENKATAPUR



HoD

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TEACHING AND LEARNING
CONTENT BEYOND REPORT

Academic Year	2023-2024 (ODD)
Name of the Faculty	Dr Rekha B Venkatapur
Course Name /Code	Computer Programming / 21CS52
Semester/Section	5th B
Activity Name	Mini Project
Topic Covered	Wireshark tool and Network traffic analysis
Date	26-2-2024
No. of Participants	Total students =69. Project implementation done in teams
Objectives/Goals	To analyse the Network traffic parameters
Gaps Identified	Real time Network analyser tool usage
Mode of Delivery of content Beyond Syllabus	Project Implementation
ICT Used	Wireshark tool, Internet facility to analyse traffic
Appropriate Method/Instructional materials/Exam Questions Students are grouped in teams. The parameters are defined, wireshark user guide is shared to the students. Students of the team are asked to identify appropriate techniques for analyzing parameters for ex. The Topics of Mini Project are as follows Web Server monitoring techniques Active and Passive FTP Design and security analysis Simulation of PING Flood and Analysis using wireshark Out Come : In this discussion, key questions to be examined are <ol style="list-style-type: none">1. How well the students understood the topics taught in the class?2. Whether they are indulging in experiential learning by practicing the commands?3. Are they able to work as an individual and present the work?4. Are they able to work as a team to accomplish assigned task?	
Relevant PO's:	PO: PO5, PO9 and PO12
Significance of Results/Outcomes	Students able to complete the task, got experiential learning environment, learnt new tool
Reflective Critique	Individual and team contributions are exhibited

Proofs (Photographs/Videos/Reports/Charts/Models)

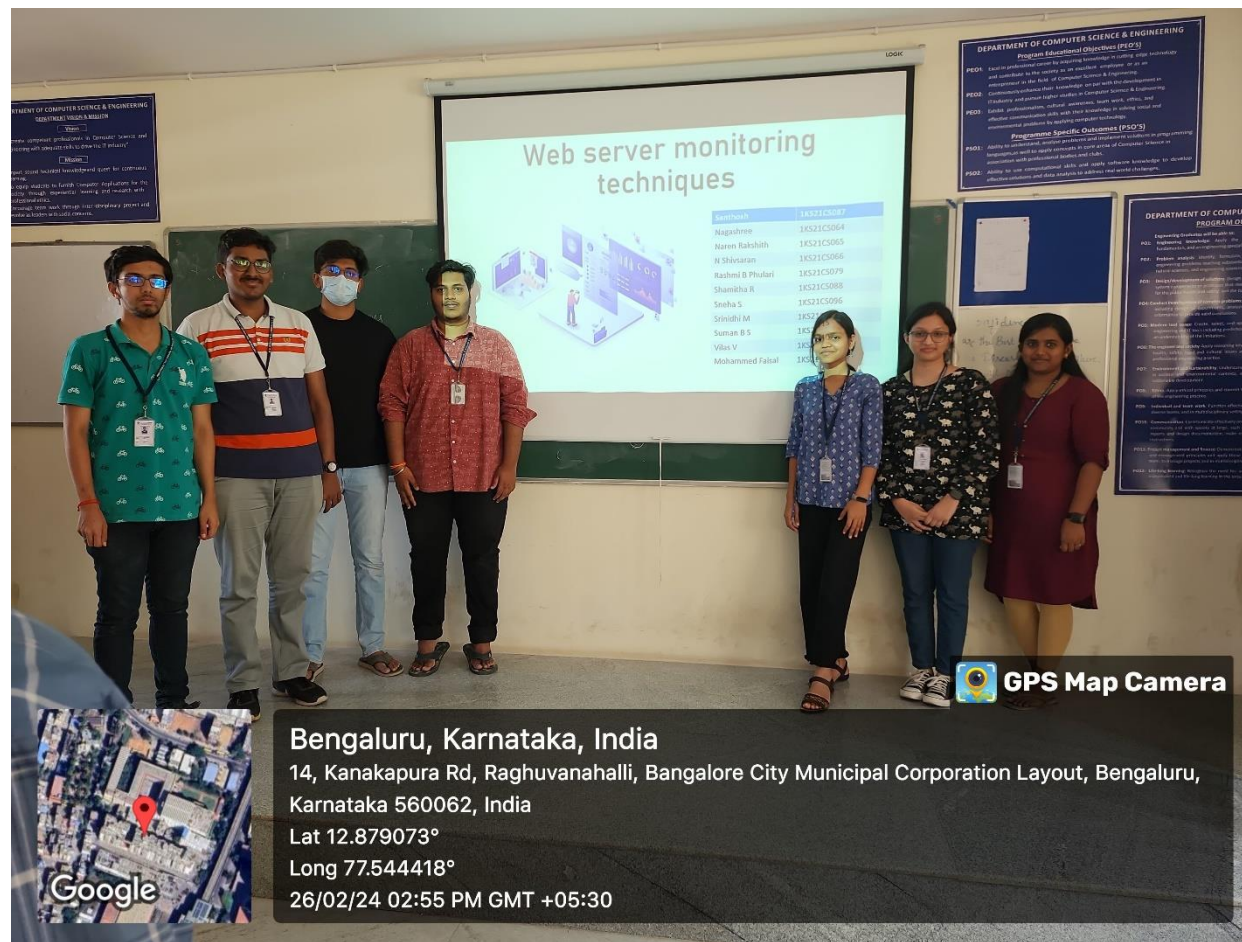


Fig 1 Web Server monitoring techniques Mini Project Demo



Fig 2. - Mini Project demonstration session - Simulation of PING Flood and Analysis using wireshark



Fig 3. Photograph of Mini Project demonstration session - Active and Passive FTP Design and security analysis

Important dates:

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1.	Date of issue of topics for presentation	12-2-2024
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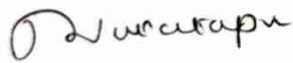
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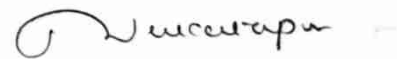
Rubrics/Evaluation Strategy

Sl. No	Criteria	Marks
1.	Tool Learning and Results	2
2.	Quality of Team Demo	2
3.	Quality of Project Report	2
4.	Usefulness to society/environment	2
5.	Individual Contribution to Project	2
	Total	10



Signature of Staff

Dr. REKHA B. VENKATAPUR



HoD

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K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109
DEPARTMENT OF COMPUTER SCIENCES & ENGINEERING

TEACHING AND LEARNING

Academic Year -2023-24

Content Beyond Syllabus Report

Course Code : 18CS72

Type: Core

Course Name: Big Data Analytics

Semester a& Section: 7th A & B

Name of the Faculty: Dr R.Senkamalavalli

Objective : To apply the knowledge gained through the topics in Mongo DB and Hadoop which are beyond curriculum and solve problems through collaborative learning

Gaps Identified in the curriculum: In Examples, the syllabus covers only the Theory part and **Not the implementation part.** After doing this course the students were able to understand practically.

Course Out Come: CO1, CO2

Level: 3 Apply

CO1: Moderately having the Knowledge of the fundamental concepts of Big Data management and analytics helps in solving complex engineering problems

CO2: Slightly having the knowledge of Big Data management and analytics concepts knowledge can be used to design and conduct experiments to provide valid conclusions

Program Out Comes: PO1, PO2, PO3, PO5, PO9, PO10 and PO12

Appropriate Method/Instructional materials: certification course by

SkillUp

All seventh semester students were encouraged to do a course on Skill up on the following

- 1.MongoDB Developer and Administrator
- 2.Big Data Hadoop and Spark Developer Training
- 3.Introduction to Components of Hadoop for Beginners
- 4.Getting started with Hadoop

DECLARATION OF COMPLETION

N NITHESH KUMAR

has successfully completed the online course:

Introduction to the Components of Hadoop for Beginners

This professional has demonstrated initiative and a commitment to deepening their skills and advancing their career. Well done!

17th Sep 2023

Certificate code : 4517519



Krishna Kumar
CEO, Simpltlearn



DECLARATION OF COMPLETION

Mohammed Taha

has successfully completed the online course:

MongoDB Developer and Administrator

This professional has demonstrated initiative and a commitment to deepening their skills and advancing their career. Well done!

25th Sep 2023

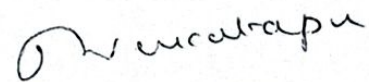
Certificate code: 4964293



Krishna Kumar
CEO, Simpltlearn



Signature of Course In charge



Signature of HOD