

# ***A Reflection Report***

On

**"TWO DAYS NATIONAL ONLINE WORKSHOP ON  
RUBY PROGRAMMING"**

Organized by

Department of Computer Science and  
Engineering

25/04/2020 & 27/04/2020

## Co-ordinators

Ms. N. Revathi, AP/CS

Ms. E. Rajalakshmi, AP/CS

Ms. R. Bhuvaneshwari, AP/CS

Ms. R. Gayathri, AP/CS



# Contents

1. Invitation and Agenda
2. Profile of the Speaker
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## Speaker Profile

PALANI KARTHIKEYAN

Call away: +91 9902084004

Email: [abpalanikarthik@gmail.com](mailto:abpalanikarthik@gmail.com)

15 + Years of experience in the IT industry

### Functional Skills

- Relevant technical training, classroom stand-up teaching experience in business or in academia, curriculum development and software management or team leadership.
- Knowledge of C/C++ development/programming, OOD-Object oriented design and LINUX development.  
Knowledge of high-performance UNIX & LINUX system programming
- Efficient code handling in Unix Shell / Perl /Python and Ruby Programming
- Knowledge of the Software Engineering life cycle.  
Strong practical programming experience, as well as advanced academic training in a relevant discipline including the ability to apply that practical experience to communicate technical concepts effectively in a training environment.

### Professional Experience

Working Technical Consultant since May 2010

KrosumLabs,Bangalore,India

Lead –Unix / Linux Kernel Development, Nov 2006 – May 2010

Apelix Technologies (p)Ltd, Bangalore, India

Software Engineer 2004 -2006

System Global Computers (p) ltd, Chennai, India

### Academic Profile

M.S. Computer Science from Manipal University, in the year of 2012

B.E., Computer Science and Engineering from University of Madras, in the year 2004

### Technical Expertise

UNIX / Linux Internals - System Programming, Linux Internals (File system, Process, Signals, Network, Memory management and debugging tools)

Languages - Advanced C, MISRA C, C++ , Unix Shell script, TCL ,Perl, Python and Ruby Scripting.

Project Consultant Handled following clients:

Project : EASY - Education Automation System

Client : Apelix Technologies Pvt .Ltd ,Bangalore

Team : 1-4 yrs exp Software Engineer

Duration : 4 months

Skills : Linux ,Apache ,mysql, perl script

2. Project: Linux Kernel by-pass technique

Client : FCS ,Noida

Skills : Linux kernel 3.0 , C , kernel module program

Duration : 8 months

3. Project : Network sniffing and control the data packets

Client : FCS ,Noida

Skills : Linux 2.6 , C, gdb,tcpdump

Duration : 3 months

4. Project : Report Product performance ( memory ,processor and File system utilization )

Client : Apelix Technologies PvtLtd, Bangalore

Skills: Linux, Perl script, shell, LAMP, vmstat, netstat, monitor, sar.

Duration: 6 months

## Recent Corporate Training Details

### UNIX SHELL SCRIPT [ BASH /KSH ] Basic to Advance Level

- Amadeus ,Bangalore - 3 Batches
- Capgemini , Bangalore,Mumbai
- Cognizant Technology Solutions, Chennai, Coimbatore (more than 10 batches)
- EMC Corporation, Bangalore - 2 Batches
- EXCELACOM Technologies, Chennai
- HCL Technologies, Chennai, Bangalore - 5 Batches
- Headstrong, Bangalore - 6 Batches
- Hewlett Packard, Bangalore, Gurgaon
- IIHT, Bangalore - 2 Batches
- Mind Tree Ltd, Bangalore – 3 Batches
- On mobile Global Limited ,Bangalore - 2 Batches
- Oracle, Bangalore ( 20 + batches )
- Polaris Financial Technology Limited , Chennai and Hyderabad
- Quinnox consultancy services, Bangalore - 8 Batches
- SLK Software ,Bangalore - 2 Batches
- Verizon ,Chennai and Hyderabad - 9 Batches
- Wells Fargo ,Bangalore – ( 3 Batches )
- Wipro Bangalore ,Chennai,pune, & Kolkatta

## Report on Event

### Objectives :

The main objective of the workshop is to explore the key features of Ruby programming language. The target audience for the workshop is students from various colleges having basic knowledge of programming as prerequisite. The workshop helps the students to develop real world software packages using Ruby.

### About the programme :

The workshop on the topic “Ruby Programming” was organized by the Department of Computer Science & Engineering, SVCE. Ms. N. Revathi, Ms. E. Rajalakshmi, Ms. R. Gayathri, Ms. R. Bhuvaneshwari were the Coordinators. The online speaker and the hands-on trainer was Mr.Palani Karthikeyan Technical Consultant, Krosun Labs, Bangalore

### The following topics were covered:

DAY	TOPIC
25/04/20	Introduction about Ruby
	What is ruby? History of Ruby Future of Ruby Ruby Installation
	Environment Setup Ruby Versions Interactive Ruby Ruby vs Other languages
	Ruby Syntax overview Comments Types of Ruby comments Ruby Identifiers Reserved Words Ruby Variables Ruby Data types <ul style="list-style-type: none"><li>• Numbers</li><li>• Strings</li><li>• Symbols</li><li>• Hashes</li><li>• Arrays</li><li>• Boolean</li></ul>
	Ruby conditional statements Looping statements Blocks
27/04/20	File Handling Ruby methods Ruby Class and objects (class, objects, constructors, inheritance, mixins etc.) Embedding ruby with external Scripts
	Case studies – Database ,CGI , GUI and other Applications

## Benefits :

The participants gained knowledge on

1. Ruby fundamentals
2. Familiarity on advanced concepts of automating system administration & multi-threaded programming
3. Ruby for object-oriented programming, web development

### LIST OF PARTICIPANTS

SL NO	Username	Enter your First Name:	Enter your Last Name:	Enter Your College Name	Enter Your Department:	Enter Your Year of Study	Enter Your Contact Number
1	shyamsundar10024@gmail.com	B SHYAM	SUNDA R	RAJALAKSHMI ENGINEERING COLLEGE	ECE	THIRD YEAR	99620 49444
2	deepikamalliga2020@gmail.com	Deepika	Venkat esan	Sri Venkateswara College of Engineering	Information Technology	SECON D YEAR	97895 95321
3	dhurshashi.v@gmail .com	Dharshan	Venkat esan	Sri Venkateswara College of Engineering	Information Technology	SECON D YEAR	63745 71992
4	gokul.chowdary200 0@gmail.com	Gokul	Chowd ary	Sri Venkateswara College Of Engineering	CSE	SECON D YEAR	78931 84416
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8	hemanthm342@gm ail.com	Hemanth	M	Shree Chandraprabhu Jain College	Bsc computer science	THIRD YEAR	63031 30261
9	jayaprathaclement @gmail.com	Jayapratha	Cleme nt	Karpaga vinayaga college of engineering and technology	Civil	FINAL YEAR	97896 72555
10	karthi242000@gmai l.com	Karthikeya n	S	Shree Chandraprabhu Jain College	Bsc computer science	THIRD YEAR	98409 17544
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12	ddkokilavani@gmail .com	Kokilavani	Dhana sekara n	Shri Krishna swamy college for women	Computer science	SECON D YEAR	81248 25576
13	calltomp@gmail.co m	Malliga	Palaniv elu	Sathyabama Institute of Science and Technology	Physics	FINAL YEAR	81442 04590
14	nithyasri58@gmail. com	Nithya sree	B	Shree Chandraprabhu Jain College	Bsc computer science	THIRD YEAR	97908 55880
15	ritunjay7@gmail.co m	Ritunjay	M	Sri Venketeswara College of Engineering	Computer Science and Engineering	FIRST YEAR	95666 21878
16	sabarish84@gmail.c om	SABARISH	M (Staff)	Shree Chandraprabhu Jain College	B.Sc. Computer Science	FINAL YEAR	99415 31884
17	sudeshsaithanya@g mail.com	Saithanya	S	Shree Chandraprabhu Jain College	Bsc computer science	SECON D YEAR	93444 36034
18	saritharani1520@g mail.com	Saritha	R	Shree Chandraprabhu Jain College	Bsc computer science	THIRD YEAR	73580 51520

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20	siyambalaji10@gmail.com	Siyam Ganesh	B	Rajalakshmi Engineering college	Electronics and communication Engineering	THIRD YEAR	9944808024
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23	srini110402@gmail.com	Srinivasan	K	Sri Venkateswara College of Engineering	Computer Science and Engineering	FIRST YEAR	9444937137
24	suchitaakkalaneni@gmail.com	Suchita	A V	Sri Venkateshwara College of Engineering	CSE	FIRST YEAR	7358212629
25	varshab8938@gmail.com	Varsha	B	Sri venkateswara college of engineering	CSE	FIRST YEAR	6381526628
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27	yugan7374@gmail.com	Yugan	M	Shree Chandrababhu Jain College	Bsc computer science	THIRD YEAR	8428155263
28	<a href="mailto:ranitha@svce.ac.in">ranitha@svce.ac.in</a>	Anitha	R	SVCE	CSE	Staff	9952337212
29	yugan7373@gmail.com	Yugan	M	Shree Chandrababhu Jain College	Bsc computer science	THIRD YEAR	8428155263
30	msnkutty06@gmail.com	Sanakaran araryana		SVCE	CSE	I year	6381526628
31	swathi.d.2018.cse@ritchennai.edu.in	Swathi	D	RIT	CSE	II Year	7550260929
32	<a href="mailto:chelian1959@gmail.com">chelian1959@gmail.com</a>	Nedunchelian	R	KVCET	CSE	Staff	8825664290
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35	<a href="mailto:varrshini.vj.2018.cse@ritchennai.edu.in">varrshini.vj.2018.cse@ritchennai.edu.in</a>	Varrshini	VJ	RIT	CSE	II	9566120979
36	<a href="mailto:ss3042000@gmail.com">ss3042000@gmail.com</a>	Shyam	S	RIT	CSE	II	7418798838
37	<a href="mailto:dhinakaran.k@ritchennai.edu.in">dhinakaran.k@ritchennai.edu.in</a>	Dhinakaran	K	RIT	CSE	Staff	9710231842
38	rajulug7@gmail.com	Dr.GovindaRajulu	G	St Martin engineering college	CSE	Professor	7676911925



## Participants Feedback

SL NO	Timestamp	Username	Enter your First Name:	Enter your Last Name:	Rating for Organizing the Workshop	Rating for Workshop Speaker	Would you like to enroll with us for the future workshops???	Enter Your College Name
1	2020/04/27 1:03:06 PM GMT+5:30	srini110402@gmail.com	Srinivasan	Kalidas	EXCELLENT	EXCELLENT	YES	Sri Venkateshwara College of Engineering
2	2020/04/27 1:04:35 PM GMT+5:30	guvs2015@gmail.com	Soundharya	Ganapathy	EXCELLENT	VERY GOOD	YES	Sri Venkateswara College of Engineering
3	2020/04/27 1:04:38 PM GMT+5:30	yugan7373@gmail.com	Yugan	M	VERY GOOD	EXCELLENT	YES	SCP JAIN COLLEGE
4	2020/04/27 1:04:41 PM GMT+5:30	sathyakesavan1@gmail.com	SATHYA	Kesavan	EXCELLENT	EXCELLENT	YES	SCP JAIN COLLEGE
5	2020/04/27 1:04:46 PM GMT+5:30	msnkutty06@gmail.com	Sankaranarayanan	M	VERY GOOD	EXCELLENT	YES	Sri Venkateswara college if engineering
6	2020/04/27 1:04:57 PM GMT+5:30	ritunjay7@gmail.com	Ritunjay	M	EXCELLENT	EXCELLENT	YES	Sri Venkateswara College of Engineering
7	2020/04/27 1:05:14 PM GMT+5:30	sabarish84@gmail.com	SABARISH	M	EXCELLENT	EXCELLENT	YES	SHREE CHANDRAPRABHU JAIN COLLEGE
8	2020/04/27 1:05:20 PM GMT+5:30	mohansmart628@gmail.com	V	Mohan	EXCELLENT	VERY GOOD	YES	Scp.jain college minjur
9	2020/04/27 1:05:30 PM GMT+5:30	siyambalaji10@gmail.com	Siyam ganesh	B	VERY GOOD	EXCELLENT	YES	Rajalakshmi engineering college
10	2020/04/27 1:05:38 PM	ranitha@svce.ac.in	Anitha	R	EXCELLENT	EXCELLENT	YES	Sri Venkateswara College of Engineering

	GMT+5:30							
11	2020/04/27 1:06:50 PM GMT+5:30	karthi24200@gmail.com	Karthik eyan	S	EXCELLENT	EXCELLENT	YES	Shree Chandra Prabhu Jain college
12	2020/04/27 1:08:24 PM GMT+5:30	hariharan.b801@gmail.com	HARIHARAN	B	GOOD	GOOD	YES	HINDUSTAN COLLEGE OF ARTS AND SCIENCE
13	2020/04/27 1:08:28 PM GMT+5:30	karthi24200@gmail.com	Karthik eyan	S	EXCELLENT	EXCELLENT	YES	Shree Chandra Prabhu Jain college
14	2020/04/27 1:09:08 PM GMT+5:30	sowmiya.s.2017.cse@ritchennai.edu.in	Sowmiya	S	EXCELLENT	EXCELLENT	YES	Rajalakshmi Institute of Technology
15	2020/04/27 1:09:51 PM GMT+5:30	dhurshashi.v@gmail.com	Dharshan	Venkat esan	VERY GOOD	EXCELLENT	YES	Sri Venkateswara College of Engineering
16	2020/04/27 1:10:30 PM GMT+5:30	deepikamalliga2020@gmail.com	Deepika	V	VERY GOOD	EXCELLENT	YES	Sri Venkateswara College of Engineering
17	2020/04/27 1:10:57 PM GMT+5:30	yabeshm01@gmail.com	Yabesh	M	VERY GOOD	VERY GOOD	YES	Scp jain college minjure
18	2020/04/27 1:11:47 PM GMT+5:30	calltomp@gmail.com	Malliga	Palanivelu	VERY GOOD	EXCELLENT	YES	Sathyabama Institute of Science and Technology
19	2020/04/27 1:14:08 PM GMT+5:30	durgadevi.s.2017.cse@ritchennai.edu.in	DURGADEVI	SEKAR	EXCELLENT	EXCELLENT	YES	RAJALAKSHMI INSTITUTE OF TECHNOLOGY
20	2020/04/27 1:16:15 PM GMT+5:30	saritharani1520@gmail.com	Saritha	R	EXCELLENT	VERY GOOD	YES	Shree chandraprabhu jain college
21	2020/04/27 1:17:27 PM GMT+5:30	pasupathy25012000@gmail.com	Pasupathy	Venkat	VERY GOOD	EXCELLENT	YES	Shree chandra prabhu jain College Minjur

22	2020/04/27 1:18:10 PM GMT+5:30	sukudhoni@gmail.com	Sukumaran	S	EXCELLENT	EXCELLENT	YES	Scp jain college minjur
23	2020/04/27 1:20:20 PM GMT+5:30	saritharani1520@gmail.com	Saritha	R	EXCELLENT	VERY GOOD	YES	Shree chandhraprabhu jain college
24	2020/04/27 1:21:53 PM GMT+5:30	Sudeshsaithanya@gmail.com	S. Saithanya	S. Saithanya	VERY GOOD	EXCELLENT	YES	Scp jain college
25	2020/04/27 1:24:42 PM GMT+5:30	rajulug7@gmail.com	Dr Govinda Rajulu.	G	EXCELLENT	EXCELLENT	YES	St. Martin"S Engineering College
26	2020/04/27 1:28:39 PM GMT+5:30	jayaprathaclement@gmail.com	Jayapra tha	Clement	EXCELLENT	EXCELLENT	YES	Karpaga vinayaga college of engineering and technology
27	2020/04/27 1:29:01 PM GMT+5:30	swathi.d.2018cse@ritchenai.edu.in	Swathi	Design	VERY GOOD	EXCELLENT	YES	Rajalakshmi Institute of Technology
28	2020/04/27 1:31:06 PM GMT+5:30	gokul.chowdary2000@gmail.com	Gokul	Chowdary Y R	EXCELLENT	EXCELLENT	YES	Sri Venkateshwara College of Engineering
29	2020/04/27 1:33:12 PM GMT+5:30	aravindhjeni3@gmail.com	Keethana. J	Keerthana	GOOD	GOOD	YES	Scp Jain collage minjur
30	2020/04/27 1:33:20 PM GMT+5:30	saritharani1520@gmail.com	Saritha	R	EXCELLENT	VERY GOOD	YES	Scp jain college
31	2020/04/27 1:40:30 PM GMT+5:30	dhinakaran.k@ritchenai.edu.in	DHINA KARAN	K	EXCELLENT	EXCELLENT	YES	Rajalakshmi Institute of Technology
32	2020/04/27 1:40:55 PM GMT+5:30	nithiyasri58@gmail.com	Nithya sree	B	EXCELLENT	EXCELLENT	YES	Sree chandraprabhu jain college
33	2020/04/27	Chelian1959@gmail.com	Nedunchelian	Ramanujam	EXCELLENT	EXCELLENT	YES	KARPAGA VINAYAGA COLLEGE OF

	1:43:19 PM GMT+5:30							ENGINEERING AND TECHNOLOGY
34	2020/04/27 1:47:39 PM GMT+5:30	nithiyasri58@gmail.com	Nithya sree	B	EXCELLENT	EXCELLENT	YES	Sree chandraprabhu jain college
35	2020/04/27 2:13:48 PM GMT+5:30	hemanthm342@gmail.com	Hemanth	M	EXCELLENT	EXCELLENT	YES	SCP JAIN COLLEGE
36	2020/04/27 2:32:48 PM GMT+5:30	varrshini.vj.2018.cse@ritchennai.edu.in	V J Varrshini	Varrshini	EXCELLENT	VERY GOOD	YES	Rajalakshmi institute of technology
37	2020/04/27 7:07:05 PM GMT+5:30	sowmiya.s.2017.cse@ritchennai.edu.in	Sowmiya	S	EXCELLENT	EXCELLENT	YES	Rajalakshmi Institute of Technology
38	2020/04/28 8:05:51 AM GMT+5:30	ddkokilavani@gmail.com	Kokilavani	Dhanasakaran	EXCELLENT	EXCELLENT	YES	Shri Krishna swamy college for women



**Sri Venkateswara College of Engineering**  
**Pennalur, Sriperumbudur**



**Department of Computer Science & Engineering**

**Organizing**

**An Online Two Days National Level Workshop**

**On**

**"Ruby Programming"**

**Language**

**Date: 25/04/2020 & 27/04/2020**

## About Ruby

**Ruby** is an interpreted, high-level, general-purpose programming language. It was designed and developed in the mid-1990s by Yukihiro "Matz" Matsumoto in Japan. Ruby is dynamically typed and uses garbage collection. It supports multiple programming paradigms, including procedural, object-oriented, and functional programming. According to the creator, Ruby was influenced by Perl, Smalltalk, Eiffel, Ada, Basic, and Lisp.

### Schedule & Registration Link

DAY	TOPIC
25/04/20	Introduction about Ruby
	What is ruby History of Ruby Future of Ruby Ruby Installation
	Environment Setup Ruby Versions Interactive Ruby Ruby vs Other languages
	Ruby Syntax overview Comments Types of Ruby comments: Ruby Identifiers Reserved Words Here Document in Ruby Ruby Comments Ruby Variables Ruby Data types <ul style="list-style-type: none"><li>● Numbers</li><li>● Strings</li><li>● Symbols</li><li>● Hashes</li><li>● Arrays</li><li>● Boolean</li></ul>
	Ruby conditional statements Looping statements Blocks
27/04/20	File Handling Ruby methods Ruby Class and objects (class, objects, constructors, inheritance, mixins etc.) Embedding ruby with external Scripts
	Case studies – Database ,CGI , GUI, Rails and other Applications

**Online Speaker:**

**Mr. Palani Karthikeyan,  
Technical Consultant,  
Krosum Labs,  
Bangalore.**

**Registration Link:** <https://forms.gle/DHEy9NrT2X3wMvbX8>

**Hardware Requirements**

Intel Core i3 or i5 with a minimum of 2GB of RAM (4GB of RAM recommended)

**Software Requirements**

Linux or Windows 95/98/2000/NT or Windows 7 operating system, Apache 1.3.19-5 Web server, Internet Explorer 5.0 or above Web browser



# SRI VENKATESWARA COLLEGE OF ENGINEERING

Pennalur, Sriperumbudur - 602117

(Autonomous - Affiliated to Anna University, Chennai)

Department of Computer Science and Engineering



AN ONLINE TWO DAY NATIONAL LEVEL WORKSHOP ON RUBY PROGRAMMING

This is to certify that

**B SHYAM SUNDAR**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

-----  
For Organising Team

Dr. R. Anitha

-----  
HoD/CSE



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This is to certify that

**Deepika Venkatesan**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

Dr. R. Anitha

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HoD/CSE

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This is to certify that

**Dharshan Venkatesan**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

Dr. R. Anitha

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HoD/CSE

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This is to certify that

**Gokul Chowdary**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

Dr. R. Anitha

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HoD/CSE

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This is to certify that

**Hari Prasath TS**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

Dr. R. Anitha

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This is to certify that

**Hariharan B**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

Dr. R. Anitha

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HoD/CSE

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Pennalur, Sriperumbudur - 602117

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**Department of Computer Science and Engineering**



**AN ONLINE TWO DAY NATIONAL LEVEL WORKSHOP ON RUBY PROGRAMMING**

This is to certify that

**Hariharasubramanian V**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

**Ms. N. Revathi**

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**For Organising Team**

**Dr. R. Anitha**

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**HoD/CSE**

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AN ONLINE TWO DAY NATIONAL LEVEL WORKSHOP ON RUBY PROGRAMMING

This is to certify that

**Hemanth M**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

-----  
For Organising Team

Dr. R. Anitha

-----  
HoD/CSE

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This is to certify that

**Jayapratha Clement**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

-----  
For Organising Team

Dr. R. Anitha

-----  
HoD/CSE



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Department of Computer Science and Engineering



AN ONLINE TWO DAY NATIONAL LEVEL WORKSHOP ON RUBY PROGRAMMING

This is to certify that

**Karthikeyan S**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

-----  
For Organising Team

Dr. R. Anitha

-----  
HoD/CSE

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AN ONLINE TWO DAY NATIONAL LEVEL WORKSHOP ON RUBY PROGRAMMING

This is to certify that

**Keerthana J**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

Dr. R. Anitha

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HoD/CSE

# **SRI VENKATESWARA COLLEGE OF ENGINEERING**

Pennalur, Sriperumbudur - 602117

(Autonomous - Affiliated to Anna University, Chennai)

**Department of Computer Science and Engineering**



**AN ONLINE TWO DAY NATIONAL LEVEL WORKSHOP ON RUBY PROGRAMMING**

This is to certify that

**Kokilavani Dhanasekaran**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

**Ms. N. Revathi**

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**For Organising Team**

**Dr. R. Anitha**

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**HoD/CSE**

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Department of Computer Science and Engineering



AN ONLINE TWO DAY NATIONAL LEVEL WORKSHOP ON RUBY PROGRAMMING

This is to certify that

**Malliga Palanivelu**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

Dr. R. Anitha

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HoD/CSE

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Department of Computer Science and Engineering



AN ONLINE TWO DAY NATIONAL LEVEL WORKSHOP ON RUBY PROGRAMMING

This is to certify that

**Nithya sree B**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

Dr. R. Anitha

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AN ONLINE TWO DAY NATIONAL LEVEL WORKSHOP ON RUBY PROGRAMMING

This is to certify that

**Ritunjay M**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

Dr. R. Anitha

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This is to certify that

**SABARISH M**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

Dr. R. Anitha

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AN ONLINE TWO DAY NATIONAL LEVEL WORKSHOP ON RUBY PROGRAMMING

This is to certify that

**Saithanya S**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

Dr. R. Anitha

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This is to certify that

**Saritha R**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

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This is to certify that

**Sathya K**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

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This is to certify that

**Siyam Ganesh B**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

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This is to certify that

**SOUNDHARYA G**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

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This is to certify that

**SOWMIYA S**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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This is to certify that

**Srinivasan K**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

Dr. R. Anitha

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AN ONLINE TWO DAY NATIONAL LEVEL WORKSHOP ON RUBY PROGRAMMING

This is to certify that

**Suchita A V**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

Dr. R. Anitha

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This is to certify that

**Varsha B**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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This is to certify that

**Vasanth V**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

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AN ONLINE TWO DAY NATIONAL LEVEL WORKSHOP ON RUBY PROGRAMMING

This is to certify that

**Yugan M**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

Dr. R. Anitha

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AN ONLINE TWO DAY NATIONAL LEVEL WORKSHOP ON RUBY PROGRAMMING

This is to certify that

**Anitha R**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

Dr. R. Anitha

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**Yugan M**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

Dr. R. Anitha

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AN ONLINE TWO DAY NATIONAL LEVEL WORKSHOP ON RUBY PROGRAMMING

This is to certify that

**Sanakaranarayana**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

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AN ONLINE TWO DAY NATIONAL LEVEL WORKSHOP ON RUBY PROGRAMMING

This is to certify that

**Swathi D**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

Dr. R. Anitha

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This is to certify that

**Nedunchelian R**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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This is to certify that

**Kalavathi S**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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This is to certify that

**Durga devi S**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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Dr. R. Anitha

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This is to certify that

**Varrshini VJ**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

Dr. R. Anitha

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This is to certify that

**Shyam**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

Dr. R. Anitha

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This is to certify that

**Dhinakaran K**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

Dr. R. Anitha

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This is to certify that

**GovindaRajulu**

has participated in the

Online Workshop held on 25<sup>th</sup> April, 2020 & 27<sup>th</sup> April, 2020

Ms. N. Revathi

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For Organising Team

Dr. R. Anitha

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HoD/CSE

