



Phone: 0616-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

# SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

SIRA ROAD, TUKAKURU

# DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



A REPORT ON

"SIET ELECTRONICS & COMMUNICATION CERIFICATION COURSE"

2022-23

PRINCIPAL

SIET., TUMAKURU.

HOD Dept of EAS SIET, Tumnors



### SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

A T I O N Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org

(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

#### **ACADEMIC YEAR 2022-2023**

The following is the list of students undergone the value added course on "Basics of Python programming" for a duration of one weeks from 6<sup>th</sup>September 2022 to 11<sup>th</sup>September 2022.

### Academic year 2022-23 (7th sem)

SI No	Name of the Student	USN	Student Signature
1	ANIKET ASHOK NEJE	1SV18EC001	dak
2	ARUN N R	1SV18EC003	Ascuss
3	AKASH DODAMANI	1SV19EC001	Aal
4	AKHILESH YADAV	1SV19EC002	AV
5	ARBIYA SULTANA	1SV19EC003	78
. 6	BHAVANA U	1SV19EC005	Bharland
7	BHOOMIKA D	1SV19EC006	Birth
8	CHANDAN M U	1SV19EC007	CMIX
9	CRISPINA VIOLET P	1SV19EC008	CIMP
10	DARSHAN M MANCHIKOPPAD	1SV19EC009	DALLAN
11	DIVYA POL	1SV19EC010	Dissio
12	GAGANA V	1SV19EC011	Maria
13	GOWRAMMA S	1SV19EC012	As.
14	HARSHITHA M	1SV19EC013	Auto
15	K S SANTHOSH	1SV19EC014	1
16	K SANJAY	1SV19EC015	Sany
17	LOKESHWARI KOTI B S	1SV19EC016	1
18	MEGHANA R	1SV19EC017	MAD
. 19	MUSKAN ZAHID	1SV19EC018	11.00
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21	PREETHIKA A S	1SV19EC021	Sall
22	PRIYADARSHINI M	1SV19EC022	PM
23	REHAMAN KHAN H K	1SV19EC023	RHI
24	SAHIL SALAM	1SV19EC025	96
25	SANIYA FATHIMA	1SV19EC027	17.
26	SHARANAKUMAR	1SV19EC028	Elivano
27	SUPRIYA N	1SV19EC029	SID
28	YASHWANTH C	1SV19EC030	4
29	M BHAVANI SHANKAR	1SV19EC032	MIRIA
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33	LAVANYA K R	1SV20EC402	The state of the s

Coordinator

PRINCIPAL SIET., TUMAKURU.

Dept of E&C



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## Curriculum for VALUE ADDED COURSE ON "BASICS OF PYTHON PROGRAMMING"

- Introduction of Python
- Installing Python IDES Python IDLE and Anaconda
- Writing Your First Python Program
- Data-types in Python
- Variables in Python Declaration and Use
- Typecasting in Python
- Operators in Python Assignment, Logical, Arithmetic etc.
- Taking User Input (Console)
- Conditional Statements If else and Nested If else and elif
- Python Collections (Arrays) List, Tuple, Sets and Dictionary
- Loops in Python For Loop, While Loop & Nested Loops
- String Manipulation Basic Operations, Functions and Methods
- User Defined Functions Defining, Calling, Types of Functions, Arguments

#### Assessment:

#### Students should obtain:

Min 80% of attendance Min 80% Participation in practice session.

Dept of E&C SIET, Tumkur-6.

PRINCIPAL

## SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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Ref: SIET/EC/2022-23/01

#### DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

### APPROVAL LETTER

To, The Principal, SIET, Tumakuru

Respected Sir,

Sub: - Approval for Organizing Students Training Program on "Basics of Python programming"-Reg.

With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "Basics of Python programming" from "6th September 2022 to 11th September 2022" for 7th semester Electronics & communication engineering students.

Kindly consider the above request and approve the same for further proceedings.

Thanking you

Date: 1/9/2022

Place: SIET, Tumakuru.

Coordinator

HOD

Dept. of ECE SIET, TUMAKURU

HOD Dept of E&C

SIET, Tumkur-6

PRINCIPAL SIET, TUMAKURU

ESTD: 2002

PRINCIPAL SIET., TUMAKURU

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(Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi) Sira Road, Tumakuru - 572 106. Kapnataka.

An ISO 9001:2015 Certified Institution

Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

#### DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 1/9/2022

### Circular

It is hereby informed to all 7th semester students that the Basics of Python programming training course from "6th September 2022 to 11th September 2022" will be conducted all students are informed to attend the training course without fail.

HOD Dept. of ECE

SIET, TUMAKURU

HOD Dept of E&C SIET, Tumkur-6

> PRINCIPAL SIET., TUMAKURU



## Creovana Labs And Technologies Private Limited

Sri Nagara, Kyathsandra, Tumkur, Karnataka, India, 572104.

creovana@gmail.com

#### ACADEMIC YEAR 2022-2023

The following is the details of attendance of students who have undergone the value added course on "Basics of Python programming" for a duration of one weeks from 6<sup>th</sup>September 2022 to 11<sup>th</sup>September 2022.

#### ACADEMIC YEAR 2022-2023 (7th Sem)

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Program coordinator:

PRINCIPAL SIET., TUMAKORIECTOR:



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to Ganashnee & R. of Ith semester, bearing the USN 18V20EC401 Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "Basics of Python programming" from 06/09/2022 to 11/09/2022

11/09/2022

Date Issued

Program Director

PRINCIPAL SIET., TUMAKURU



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to Lavanya & B of Ath semester, bearing the USN LSY20F402 Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "Basics of Python programming" from 06/09/2022 to 11/09/2022

11/09/2022

Date Issued

Repulled mins

PRINCIPAL SIET., TUMAKURU. Program Director

119/22



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to Aniket Ashok Neje of Ith semester, bearing the USN ISVISECOD1 Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "Basics of Python programming" from 06/09/2022 to 11/09/2022

11/09/22

Date Issued

Ruh Lamosth

Program Director

11/9/22



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

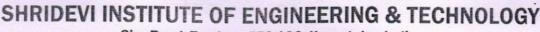
This certificate is Awarded to Arun N.R. of Arun semester, bearing the USN\_18V18Ecoo3 Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "Basics of Python programming" from 06/09/2022 to 11/09/2022

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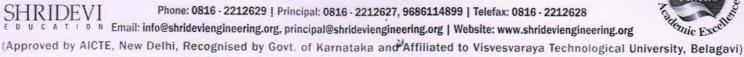
Date Issued

PRINCIPAL SIET., TUMAKUN

Program Director



Sira Road, Tumkur - 572 106, Karnataka, India.



### **ACADEMIC YEAR 2022-2023**

The following is the list of students undergone the value added course on "Database Administration" for a duration of one weeks 16<sup>th</sup>JAN 2023 to 22<sup>nd</sup> JAN 2023.

## Academic year 2022-23 (8th sem)

SI No	Name of the Student	USN	Student Signature
1	ANIKET ASHOK NEJE	1SV18EC001	Anchat
2	ARUN N R	1SV18EC003	Anne
3	AKASH DODAMANI	1SV19EC001	Short
4	AKHILESH YADAV '	1SV19EC002	Duridi
5	ARBIYA SULTANA	1SV19EC003	pringa
6	BHAVANA U	1SV19EC005	Bhayana
7	BHOOMIKA D	1SV19EC006	Blucomils
. 8	CHANDAN M U	1SV19EC007	Chouse
9	CRISPINA VIOLET P	1SV19EC008	Chirona
10	DARSHAN M MANCHIKOPPAD	1SV19EC009	0.010
11	DIVYA POL '	1SV19EC010	Darshau
12	GAGANA V	1SV19EC011	Canadilla
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32	GANASHREE K R	1SV20EC401	Capit.
33	LAVANYA K R	1SV20EC402	Janua -

PRINCIPAL SIET., TUMAN JAU

Dept of E&C SIET, Tumkur-6



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## Curriculum for VALUE ADDED COURSE ON "DATABASE ADMINISTRATION"

- 1. Introduction
- 2. SQL \*PLUS Overview
- Modifying Data
- 4. Managing Constraints
- 5. Managing Views
- 6. User Access and Security
- 7. Oracle Overview and Architecture
- 8. Managing Oracle
- 9. Control and Redo Log Files
- 10. Managing Tables, indexes and Constraints
- 11. Managing Users and Security
- 12. Introduction to Network Administration
- 13. Backup and Recovery Overview

#### Assessment:

#### Students should obtain:

Min 80% of attendance

Min 80% Participation in practice session

Coordinator

HOD
HOD
Dept of E&C
SIET, Tumkur-6

PRINCIPAL SIET., TUMAKURU.

### SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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Ref: SIET/EC/2022-23/02

#### DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

### APPROVAL LETTER

To, The Principal, SIET, Tumakuru

Respected Sir,

Sub: - Approval for Organizing Students Training Program on "Database Administration"-Reg.

With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "Database Administration" from "16th JAN 2023 to 22nd JAN 2023" for 8th semester Electronics & communication engineering students.

Kindly consider the above request and approve the same for further proceedings.

Thanking you

Date: 8/01/2023

Place: SIET, Tumakuru.

Coordinator

HOD

Dept. of ECE SIET, TUMAKURU

HOD Dept of E&C SIET, Tumkur-6

PRINCIPAL SIET, TUMAKURU

ESTD: 2002

PRINCIPAL SIET., TUMAKUKU.



LITE OF ENGINEERING & TE







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#### DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 8/01/2023

### Circular

It is hereby informed to all 8th semester students that the "Database Administration" training course from "16th JAN 2023 to 22nd JAN 2023" will be conducted all students are informed to attend the training course without fail.

HOD Dept. of ECE SIET, TUMAKURU

HOD Dept of E&C SIET, Tumkur-6

SIET., TUMAKURU.



## Creovana Labs And Technologies Private Limited

Sri Nagara, Kyathsandra, Tumkur, Karnataka, India, 572104.

creovana@gmail.com

#### Academic year 2022-23

The following is the details of attendance of students who have undergone the value added course on "Database Administration" for a duration of one weeks 16th JAN 2023 to 22nd JAN 2023.

#### ACADEMIC YEAR 2022-2023(8th sem)

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Program coordinator:

PRINCIPAL SIET., TUMAKURDirector:



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to GANASHPEE L.R of VIII semester, bearing the USIN 16 V2 OEC 401 Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "Database Administration" from 16/01/2023 to 22/01/2023.

22/01/2023

Date Issued

Much Lampth

Program Director

241/23



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to LAVANYA . K.D. of VIII semester, bearing the USA SV2 DEC 402 Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINFERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "Database Administration" from 16/01/2023 to 22/01/2023.

22/01/2023

Date Issued

poliku

Program Director

241/23



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to ARUN N.R of Uni semester, bearing the
USN 15V18 EC003 Department of Electronics & Communication Engineering. SHRIDEVI
INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively
Participated in workshop on "Database Administration" from 16/01/2023 to 22/01/2023.

22/01/2023

Date Issued

PRINCIPAL SIET., TUMAKURU.

Program Director

22/1/23



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to ANIVET ASHOK NETE of VIII semester, bearing the USN ISVINECOOL Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "Database Administration" from 16/01/2023 to 22/01/2023.

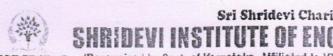
22/01/2023

Date Issued

PRINCIPAL SIET., TUMAKURU

Program Director

24/223



(Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)







Sira Road, Tumakuru - 572 106. Kannataka.

Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

## SHRIDEVI INSTITUTE OF ENGINEERING & **TECHNOLOGY**

SIRA ROAD, TUKAKURU

## DEPARTMENT OF ELECTRONICS & COMMUNICATION **ENGINEERING**



### A REPORT ON

"SIET ELECTRONICS & COMMUNICATION CERIFICATION COURSE"

2021-22

Dept of E&C

SIET, Tumkur-6

PRINCIPAL

## SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

I Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org

(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

### **ACADEMIC YEAR 2021-2022**

The following is the list of students undergone the value added course on "MACHINE LEARNING WITH PYTHON" for a duration of one weeks from 4<sup>th</sup>OCT 2021 to 10<sup>th</sup>OCT 2021.

## Academic year 2021-22 (5<sup>th</sup>sem)

SI No	Name of the Student	USN	Student Signature
1	ANIKET ASHOK NEJE	1SV18EC001	Aneret
2	ARUN N R	1SV18EC003	
3	AKASH DODAMANI	1SV19EC001	delan
4	AKHILESH YADAV	1SV19EC002	a
5	ARBIYA SULTANA	1SV19EC003	A shoeps
6	BHAVANA U	1SV19EC005	Bharres
7	BHOOMIKA D .	1SV19EC006	1
8	CHANDAN M U	1SV19EC007	Chair
9	CRISPINA VIOLET P	1SV19EC008	Consens A
10	DARSHAN M MANCHIKOPPAD	1SV19EC009	Dulle
11	DIVYA POL	1SV19EC010	Divis
12	GAGANA V	· 1SV19EC011	(2) m
13	GOWRAMMA S	1SV19EC012	10 M
14	HARSHITHA M	1SV19EC013	Geins
15	K S SANTHOSH .	1SV19EC014	Soussa.
16	KSANJAY	1SV19EC015	Sk
17	LOKESHWARI KOTI B S	1SV19EC016	20
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25	SAHIL SALAM	1SV19EC025	Quelin se
26	SANIYA FATHIMA	· 1SV19EC027	Sullyn
27	SHARANAKUMAR	1SV19EC028	C.
28	SUPRIYA N	1SV19EC029	2
29	YASHWANTH C .	1SV19EC030	Volki
30	M BHAVANI SHANKAR	1SV19EC032	MB
31	PrekshaNayak	1SV19EC033	Psexua
32	BINDUTS	1SV20EC400	Pog
33	GANASHREE K R	1SV20EC401	Cook
34	LAVANYA K R	1SV20EC402	dayman

Coordinator.

Atymed whish

HODD HOD Dept of 5%

## SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

Fig. 8 Email: info@shrideviengineering.org, principal@shrideviengineeting.org | Website: www.shrideviengineering.org

ESTD:2002

(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

### Curriculum for VALUE ADDED COURSE ON "MACHINE LEARNING WITH PYTHON"

#### 1 - Introduction to Machine Learning

Applications of Machine Learning Supervised vs Unsupervised Learning Python libraries suitable for Machine Learning

#### 2 - Regression

Linear Regression Non-linear Regression Model evaluation methods

#### 3 - Classification

K-Nearest Neighbour Decision Trees Logistic Regression Support Vector Machines Model Evaluation

#### 4 - Unsupervised Learning

K-Means Clustering Hierarchical Clustering Density-Based Clustering

#### Assessment:

Students should obtain:

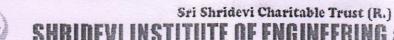
Min 80% of attendance Min 80% Participation in practice session

PRINCIPAL

SIET., TUMAKURU

Dept of E&C

SIET, Tumkur-6.



SHRIDEVI (Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi) Sira Road, Tumakuru - 572 106. Karnataka.





An ISO 9001:2015 Certified Institution



Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineefing.org | Web: http://www.shrideviengineering.org

Ref: SIET/EC/2021-22/01

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

### APPROVAL LETTER

To, The Principal, SIET, Tumakuru

Respected Sir,

Sub: - Approval for Organizing Students Training Program on "Machine Learning With Python"-Reg.

With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "Machine Learning With Python" from "4th OCT 2021 to 10th OCT 2021" for 5th semester Electronics & communication engineering students.

Kindly consider the above request and approve the same for further proceedings.

Thanking you

Date: 29/8/2021

Place: SIET, Tumakuru.

Dept. of ECE SIET, TUMAKURU

Dept of E&C SIET, Tumkur-8

PRINCIPAL SIET, TUMAKURU

(Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)

Sri Shridevi Charitable Trust (R.)

An ISO 9001:2015 Certified Institution

Sira Road, Tumakuru - 572 106. Kannataka. Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web. http://www.shrideviengineering.org

#### DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 29/8/2021

### Circular

It is hereby informed to all 5th semester students that the "Machine Learning With Python" training course from "4th OCT 2021 to 10th OCT 2021" will be conducted all students are informed to attend the training course without fail.

Dept. of ECE SIET, TUMAKURU

HOD Dept of E&C SIET, Tumkur-6



## Creovana Labs And Technologies Private Limited

Sri Nagara, Kyathsandra, Tumkur, Karnataka, India, 572104.

creovana@gmail.com

#### Academic year 2021-22

The following is the details of attendance of students who have undergone the value added course on "MACHINE LEARNING WITH PYTHON" for a duration of one weeks from 4<sup>th</sup>OCT 2021 to 10<sup>th</sup>OCT 2021.

#### ACADEMIC YEAR 2021-2022 (5th sem)

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	AKHILESH YADAV	1SV19EC001	A	ex	SUL	e de	2	- Oru	- 6	3	W.	A	TA	80
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FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to MBhouani Phonkal of V semester, bearing the USN ISUIGECO31 Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "Machine Learning with python" from 04/10/2021 to 10/10/2021.

10/10/2021

Date Issued

Program Director

Mul

10/10/22

PRINCIPAL SIET., TUMAKURI



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to Pouksha Nayak of N semester, bearing the USN\_ISNIGECO33 Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "Machine Learning with python" from 04/10/2021 to 10/10/2021.

10 10 2021

Date Issued

PRINCIPAL

Program Director

10/10/22



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to Plum. NR of N semester, bearing the USIN ISNISCEC. Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "Machine Learning with python" from 04/10/2021 to 10/10/2021.

10 10 2021

Date Issued

Much Donneth

Program Director

Yeur

10/10/21



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

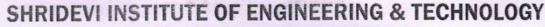
This certificate is Awarded to Prikth Ashok Nege of N semester, bearing the USIN SVIBECTOOL Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "Machine Learning with python" from 04/10/2021 to 10/10/2021.

Date Issued

Manual Jamesthe PRINCIPAL

Program Director

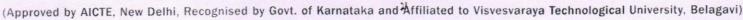
10/10/21



Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

A T I O N Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org



#### **ACADEMIC YEAR 2021-2022**

The following is the list of students undergone the value added course on "DATA SCIENCE" for a duration of one weeks from 14<sup>th</sup> April 2022 to 20<sup>th</sup> April 2022.

### Academic year 2021-22 (6th sem)

SI No	Name of the Student	USN	Student Signature
1	ANIKET ASHOK NEJE '	1SV18EC001	Aniket
2	ARUN N R	1SV18EC003	(A) Tul
3	AKASH DODAMANI	1SV19EC001	Abosh
4	AKHILESH YADAV	1SV19EC002	Aliveb
5	ARBIYA SULTANA	1SV19EC003	Ambiun
6	BHAVANA U	1SV19EC005	Bloward
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8	CHANDAN M U	1SV19EC007	7/101
9	CRISPINA VIOLET P	1SV19EC008	Thurs)
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11	DIVYA POL	1SV19EC010	Duma
12	GAGANA V	1SV19EC011	Congression
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28	SUPRIYA N	1SV19EC029	Supriga N
29	YASHWANTH C	. 1SV19EC030	yould
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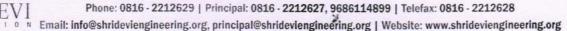
PRINCIPAL SIET., TUMAKURU Dept of E&C SIET, Tumkur-6

# (3) (A)

### SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.

Sira Road, Tumkur - 572 106, Karnataka, India.



Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)



#### Curriculum for VALUE ADDED COURSE ON "DATA SCIENCE"

- Introduction to Data Science
- Mathematical & Statistical Skills
- Machine Learning
- Coding
- Algorithms used in Machine Learning
- Statistical Foundations for Data Science
- Data Structures & Algorithms
- Data Visualization
- Matrix Computations
- · Scholastic Models
- Experimentation, Evaluation and Project Deployment Tools
- Predictive Analytics and Segmentation using Clustering
- Exploratory Data Analysis
- · Business Acumen & Artificial Intelligence

#### Assessment:

#### Students should obtain:

Min 80% of attendance Min 80% Participation in practice session

Coordinator

HOD HOD Bept of E&C SIET, Tumkur-6

PRINCIPAL SIET., TUMAKURI



ITE OF ENGINEERING & TECHNO (Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)







Sira Road, Tumakuru - 572 106. Kagnataka.

Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

Ref: SIET/EC/2021-22/02

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

### APPROVAL LETTER

To, The Principal, SIET, Tumakuru

Respected Sir,

Sub: - Approval for Organizing Students Training Program on "DATA SCIENCE"-Req.

With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "DATA SCIENCE" from "14th April 2022 to 20th April 2022" for 6th semester Electronics & communication engineering students.

Kindly consider the above request and approve the same for further proceedings.

Thanking you

Date: 6/4/2022

Place: SIET, Tumakuru.

Dept. of ECE SIET, TUMAKURU

HOD Dept of E&C SIET. Tumkur-6

PRINCIPAL SIET, TUMAKURU

PRINCIPAL SIET., TUMAKURU.





An ISO 9001:2015 Certified Institution

(Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi) Sira Road, Tumakuru - 572 106. Kagnataka.

Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

#### DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 6/4/2022

### Circular

It is hereby informed to all 6th semester students that the "DATA SCIENCE" training course from "14th April 2022 to 20th April 2022" will be conducted all students are informed to attend the training course without fail.

Dept. of ECE SIET, TUMAKURU

HOD Dept of E&C SIET, Tumkur-6

PRINCIPAL SIET., TUMAKURU



# Creovana Labs And Technologies Private Limited

Sri Nagara, Kyathsandra, Tumkur, Karnataka, India, 572104.

creovana@gmail.com

#### Academic year 2022-23

The following is the details of attendance of students who have undergone the value added course on "DATA SCIENCE" for a duration of one weeks from 14th April 2022 to 20th April 2022.

#### ACADEMIC YEAR 2022-2023 (6th Sem)

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Program coordinator:

PRINCIPAL SIET., TUMAKURU.

Director:



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This	certificate	is Awarded to	ARUN. N.R.	of	-6 <sup>th</sup>	semester,	bearing	the
'US!N	18/18/C 003	Department of	Electronics	& Communicat	tion Er	igineering.	SHRID:	$\mathcal{IV}I$
INST	TUTE OF	ENGINEERING &	TECHNOLO	OGY, TUMAK	URU -	572106	for Activ	vely
Parti	apated in w	orkshop on "DATA	SCIENCE" fro	m 14/04/2022 t	0 20/04.	/2022.		

20/04/2022

Date Issued

PRINCIPAL SIET., TUMAKURU.

Program Director

20/4/22

O DO STATE OF THE PARTY OF THE



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to ANIKET ASHOK NEJE of 6 semester, bearing the	îе
USIN ISVIRECOOI Department of Electronics & Communication Engineering. SHRIDE	
INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively	y
Participated in workshop on "DATA SCIENCE" from 14/04/2022 to 20/04/2022.	

20/04/2022

Date Issued

Manufaction Demogration

PRINCIPAL SIET., TUMAKURU Program Director

20/4/24



FIRM NO .: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to LAVANYA. K.R of 6th semester, bearing the USN ISV20EC 402 Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "DATA SCIENCE" from 14/04/2022 to 20/04/2022.

20/04/2022

Date Issued

ogram Director 20 4/22



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to GANASHREE.K.R of 6 semester, bearing the USN\_ISV20EC401 Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "DATA SCIENCE" from 14/04/2022 to 20/04/2022.

20/04/2022

Date Issued

Much Sampathe PRINCIPAL PRINCIPAL Program Director

20/4/22

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An ISO 9001:2015 Certified Inscinution

Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

# SHRIDEVI INSTITUTE OF ENGINEERING & **TECHNOLOGY**

SIRA ROAD, TUKAKURU

## DEPARTMENT OF ELECTRONICS & COMMUNICATION **ENGINEERING**



## A REPORT ON

"SIET ELECTRONICS & COMMUNICATION CERIFICATION COURSE"

2020-21

Dept of E&C

SIET, Tumker-6

SIET, TUMAKURU. PRINCIPAL

PRINCIPAL SIET., TUMAKURU.



### SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.



Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

STRIDEVI Phone: 0816 - 2212629 | Principal: 0816 - 2212027, gobotanos | ...

Email: info@shrideviengineering.org | Website: www.shrideviengineering.org | to 50500000 Cystodhic area.

(Approved by AICTE, New Delhi, Recognised by Goyt, of Karpataka and Affiliated to Visvesvaraya Technological University, Belagavi)

### **ACADEMIC YEAR 2020-2021**

The following is the list of students undergone the value added course on "NPL USING PYTHON" for a duration of one weeks from 21st September 2020 to 27th September 2020.

## Academic year 2020-21 (5<sup>th</sup>sem)

Sl No	Name of the Student	USN	Student Signature
1	RAVISH KUMAR	,1SV17EC012	Qk
2	ANUSHA G S	1SV18EC002	A08
3	BASAVARAJ	1SV18EC004	Basavaras
4	BHARATHI M	1SV18EC005	BM 0
5	BRUNDA K	1SV18EC006	Brunda
6	CHANDANA D	1SV18EC007	Col
7	DEVIKA L	1SV18EC008	d
8	GURANNAGOUDA	·1SV18EC009	Licx
9	KETANRAJS	. 1SV18EC010	Res
10	LATHASHREE K R	1SV18EC011	1490
11	MOUNESH GOUDA	1SV18EC012	Max
12	MOUNIKA Y	1SV18EC013	NA P
13	NAGESH D R	1SV18EC014	Massil
14	PRASHANTH M	1SV18EC016	PinR
15	RACHANASR	'1SV18EC018	Red
16	SADAF NAZ	1SV18EC019	Sadal
17	SAMEER BICHAGATTI .	1SV18EC020	Namerica
18	SHIRISHA R T	1SV18EC021	Salt
19	SIDRAM	1SV18EC022	Siderun
20	SRINIVAS C	1SV18EC023	SC
21	YASHASWINI K Y	1SV18EC024	41401
22	ARUNA R N	1SV19EC400	Barre
23	JYOTHI R	1SV19EC401	Turthi
24	MAHADEVAIAH M B	1SV19EC402	Non
25	NAVYASHREE S M	1SV19EC403	RA
26	PRAVEEN G D	1SV19EC404	9001
27	SWAMY M	1SV19EC405	Sugann
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SIET., TUMAKURU.

HOD Dept of E&C SIET, Tumkur-6-



### SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.



SHRIDEVI

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org | At 509.00.001 Catalana area

Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

### SYLLABUS FOR VALUE ADDED COURSE ON "NPL USING PYTHON"

### **Topics**

#### Introduction and Overview

what is Natural Language Processing, hands-on demonstrations. Ambiguity and uncertainty in language...

### Regular Expressions

Chomsky hierarchy, regular languages, and their limitations. Finite-state automata. Practical regular expressions for finding and counting language phenomena..

### Programming in Python

An introduction to programming in Python. Why Python? Variables, numbers, strings, arrays, dictionaries, conditionals, iteration. The NETK (Natural Language Toolkit), with demonstrations.

### String Edit Distance and Alignment

Key algorithmic tool: dynamic programming, first a simple example, then its use in optimal alignment of sequences. String edit operations, edit distance, and examples of use in spelling correction, and machine translation.

### Assessment:

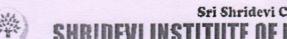
### Students should obtain:

Min 80% of attendance Min 80% Participation in practice session

Coordinator

HOD HOD Dept of E&C SIET, Tumkur-6

> PRINCIPAL SIET., TUMAKURU









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Sira Road, Tumakuru - 572 106. Kannataka.

Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

Ref: SIET/EC/2020-21/01

### DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

### APPROVAL LETTER

To, The Principal, SIET, Tumakuru

Respected Sir,

Sub: - Approval for Organizing Students Training Program on "NPL USING PYTHON"-Rea.

With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "NPL USING PYTHON"-" from "21st September 2020 to 27th September 2020" for 5th semester Electronics & communication engineering students.

Kindly consider the above request and approve the same for further proceedings.

Thanking you

Date: 13/9/2020

Place: SIET, Tumakuru.

HOD Dept. of ECE SIET, TUMAKURU

HOD Dept of E&C SIET, Tumkur-6

PRINCIPAL SIET, TUMAKURU

> PRINCIPAL SIET., TUMAKURU.



TE OF ENGINEERING & TECH





(Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi) Sira Road, Tumakuru - 572 106. Kannataka.

Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

### DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 13/9/2020

## Circular

It is hereby informed to all 5th semester students that the "NPL USING PYTHON"-" training course from "21st September 2020 to 27th September 2020" will be conducted all students are informed to attend the training course without fail.

Dept. of ECE SIET, TUMAKURU

HOD Dept of E&C SIET, Tumkur-6

PRINCIPAL SIET., TUMAKURU



# Creovana Labs And Technologies Private Limited

Sri Nagara, Kyathsandra, Tumkur, Karnataka, India, 572104.

creovana@gmail.com

### ACADEMIC YEAR 2020-2021

The following is the details of attendance of students who have undergone the value added course on "NPL USING PYTHON" for a duration of one weeks from 21st September 2020 to 27th September 2020.

## Academic year 2020-21 (5<sup>th</sup>sem)

			Date:	21/9	Date:	22/9	Date:	23/9	Date	:24/9	Date:	25/9	Date	26/9			
SI	No	1	M	A	M	A	M	A	M	A	M	A	M	A			
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FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to Pavish Yumar of 5th semester, bearing the USN\_1\$VI7ECO12 Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "NPL USING PYTHON" from 21/09/2020 to 27/09/2020.

27/09/20

Date Issued

PRINCIPAL SIET., TUMAKURU.

Pragram Darector

( Date: 27/3/2005

(umaku)



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to Awarda G. S. of 5<sup>th</sup> semester, bearing the USN\_ISVISECOO2 Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "NPL USING PYTHON" from 21/09/2020 to 27/09/2020.

27/09/20

Date Issued

Runn Lammeth

Program Director

(Date 2719/20)

nuaku



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to Basavanoy of 5th semester, bearing the USN ISVISECTOO4. Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINFERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "NPL USING PYTHON" from 21/09/2020 to 27/09/2020.

47/09/2020

Date Issued

PRINCIPAL SIET., TUMAKURU.

Program Dixector



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

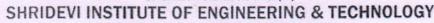
This certificate is Awarded to Blarathi. M of 5th semester, bearing the USN\_ISYINECODS. Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "NPL USING PYTHON" from 21/09/2020 to 27/09/2020.

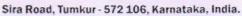
27/09/20

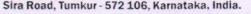
Date Issued

PRINCIPAL SIET., TUMAKURU.

Tymakuri Tymakuri









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Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org 41 509:01-1011 Cantellina and

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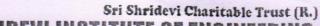
### **ACADEMIC YEAR 2020-2021**

The following is the list of students undergone the value added course on "UNIX/LINUX OS ESSENTIALS " for a duration of one weeks from 15th Feb 2021 to 20th Feb 2021.

## Academic year 2020-21 (6th sem)

Sl No	Name of the Student	USN	Student Signature
1	RAVISH KUMAR	1SV17EC012	Parish
2	ANUSHA G S	1SV18EC002	Acul
3	BASAVARAJ	1SV18EC004	Quent
4	BHARATHI M	1SV18EC005	R
5	BRUNDA K	1SV18EC006	Brudes
6	CHANDANA D	1SV18EC007	Chandans
7	DEVIKA L	1SV18EC008	Devien
8 .	GURANNAGOUDA	1SV18EC009	Guenna
9	KETANRAJS	1SV18EC010	2102
10	LATHASHREE K R	1SV18EC011	Valen
11	MOUNESH GOUDA	1SV18EC012	Mund
12	MOUNIKA Y	1SV18EC013	Mounder
13	NAGESH D R	1SV18EC014	March
14	PRASHANTH M	1SV18EC016	Prashavte
15	RACHANASR	1SV18EC018	Raevana
16	SADAF NAZ	1SV18EC019	la do
17	SAMEER BICHAGATTI	1SV18EC020	Laneer
18	SHIRISHA R T	1SV18EC021	Church
19	SIDRAM	1SV18EC022	.25
20	SRINIVAS C	1SV18EC023	Sycuracos
21 ·	YASHASWINI K Y	1SV18EC024	Vail
22	ARUNA R N	1SV19EC400	A .
23	JYOTHI R	1SV19EC401	TO TO
24	MAHADEVAIAH M B	1SV19EC402	N
25	NAVYASHREE S M	1SV19EC403	Many
26	PRAVEEN G D	1SV19EC404	(226)
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PRINCIPAL SIET., TUMAKURU.



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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Sira Road, Tumakuru - 572 106. Karnataka.



An ISO 9001:2015 Certified Institution

Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

Ref: SIET/EC/2020-21/02

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

## APPROVAL LETTER

To, The Principal, SIET, Tumakuru

Respected Sir,

Sub: - Approval for Organizing Students Training Program on "UNIX/LINUX OS ESSENTIALS"-Reg.

With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "UNIX/LINUX OS ESSENTIALS"-" from "15th Feb 2021 to 20th Feb 2021" for 6th semester Electronics & communication engineering students.

Kindly consider the above request and approve the same for further proceedings.

Thanking you

Date: 8/2/2021

Place: SIET, Tumakuru.

Coordinator

HOD
Dept. of ECE
SIET, TUMAKURU

HOD Dept of E&C SIET, Tumkur-6 PRINCIPAL SIET, TUMAKURU

PRINCIPAL SIET., TUMAKURU.

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# DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 8/2/2021

# Circular

It is hereby informed to all 6th semester students that the "UNIX/LINUX OS ESSENTIALS" training course from "15th Feb 2021 to 20th Feb 2021" will be conducted all students are informed to attend the training course without fail.

HOD Dept. of ECE SIET, TUMAKURU

HOD Dept of E&C SIET, Tumkur-6

SIET., TUMAKURU



# Creovana Labs And Technologies Private Limited

Sri Nagara, Kyathsandra, Tumkur, Karnataka, India, 572104.

creovana@gmail.com

### ACADEMIC YEAR 2020-2021

The following is the details of attendance of students who have undergone the value added course on "UNIX/LINUX OS ESSENTIALS" for a duration of one weeks from 15th Feb 2021 to 20th Feb 2021.

## Academic year 2020-21 (6<sup>th</sup>sem)

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Director: 1



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to PAVISH LUMAP of VI semester, bearing the USN 15VIHECO12 Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINFERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "UNIX/LINUX OS ESSENTIALS" from 15/02/2021 to 20/02/2021.

20/02/2021

Date Issued

Ruha lampthe PRINCIPAL

PRINCIPAL SIET., TUMAKURU Program Director

20/2/21



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to ANUSHAG.S of Vi semester, bearing the
USNISVIRECOOD Department of Electronics & Communication Engineering. SHRIDEVI
INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively
Participated in workshop on "UNIX/LINUX OS ESSENTIALS" from 15/02/2021 to 20/02/2021.

20/02/2021

Date Issued

PRINCIPAL SIET., TUMAKURU Program Director

292/21



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to <u>SWAMY</u> of <u>VI</u> semester, bearing the
USN 15V19Ecupt Department of Electronics & Communication Engineering. SHRIDEVI
INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively
Participated in workshop on "UNIX/LINUX OS ESSENTIALS" from 15/02/2021 to 20/02/2021.

20/02/2021

Date Issued

PRINCIPAL SIET., TUMAKURU

Program Director

20/2/21



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to PRAVEEN - G.D of VI semester, bearing the USNISVIAECHOH Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "UNIX/LINUX OS ESSENTIALS" from 15/02/2021 to 20/02/2021.

20/02/2021

Date Issued

Menul Innella

PRINCIPAL SIET., TUMAKURU Program Director

292/21



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# SHRIDEVI INSTITUTE OF ENGINEERING & **TECHNOLOGY**

SIRA ROAD, TUKAKURU

## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



### A REPORT ON

"SIET ELECTRONICS & COMMUNICATION CERIFICATION COURSE"

2019-20

Dept of E&C SIET, Tumkur-6

SIET., TUMAKURU



### SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.



SHRIDEVI Phone: 0816 - 2212629 | Principal: 0816 - 2212627 | possible to the control of the cont Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

(Approved by AICTE, New Delhi, Recognised by Govt, of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

### **ACADEMIC YEAR 2019-2020**

The following is the list of students undergone the value added course on "ARM Processors" for a duration of one weeks from 18<sup>th</sup>November 2019 to 24<sup>th</sup>November 2019.

## Academic year 2019-2020 (7th sem)

SI No	Name of The Student	USN	Student Signature
1	RAMYA K	1SV14EC026	Panysk
2	RASHMIN BEGAM H	1SV14EC029	RA
3	ARUN C G	1SV15EC005	D
4	BHAVANA N	1SV15EC007	Bharan
5.	GAGANA S K	1SV15EC013	699500
6	KAVYAS	1SV15EC018	<u>A</u>
7	NOOR AYESHA	1SV15EC027	March
8	RAGHURAJ G K .	1SV15EC035	Carolina
9	USHA Y M	1SV15EC049	usha
10	VISHWAS S P	1SV15EC052	Wishing
11	ANUSHA T P .	1SV16EC402	Anustra

PRINCIPAL

SIET., TUMAKURU.



### SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.





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1 b 0 € 4 1 1 0 % Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org | 4: 50 % Email: info@shrideviengineering.org | 4: 50 % Email: info@shridevie

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### VALUE ADDED COURSE ON "ARM PROCESSORS"

### **Syllabus**

- 1: ARM Embedded Systems and ARM Processor Fundamentals
- 2:ARM Instruction Set Duration
- 3:Introduction to THUMB and ARM Programming Duration
- 4:Exception and Interrupt handling schemes
- 5: LPC2148 ARM CPU.
- 6:LPC 2148 Peripherals

Assessment:

Students should obtain:

Min 80% of attendance Min 80% Participation in practice session

Coordinator

HOD HOD Dept of E&C SIET, Tumkur-6

> PRINCIPAL SIET., TUMAKURU



STITUTE OF ENGINEERING & TECHNO (Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)





Sira Road, Tumakuru - 572 106. Karnataka. Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

Ref: SIET/EC/2019-20/01

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

### APPROVAL LETTER

To, The Principal, SIET, Tumakuru

Respected Sir,

Sub: - Approval for Organizing Students Training Program on "ARM Processors"-Reg.

With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "ARM Processors" from "18th November 2019 to 24th November 2019" for 7th semester Electronics & communication engineering students.

Kindly consider the above request and approve the same for further proceedings.

Thanking you

Date: 10/10/2019

Place: SIET, Tumakuru.

HOD

Dept. of ECE SIET, TUMAKURU

HOD

Dept of E&C SIET, Tumkur-6 SIET, TUMAKURU

SIET., TUMAKURU



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Sira Road, Tumakuru - 572 106. Kagnataka.



Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

### DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 10/10/2019

## Circular

It is hereby informed to all 7th semester students that the "ARM Processors" training course from "18th November 2019 to 24th November 2019" will be conducted all students are informed to attend the training course without fail.

Coordinator

HOD
Dept. of ECE
SIET, TUMAKURU

HOD Dept of E&C SIET, Tumkur-6

PRINCIPAL



# Creovana Labs And Technologies Private Limited

Sri Nagara, Kyathsandra, Tumkur, Karnataka, India, 572104.

creovana@gmail.com

#### ACADEMIC YEAR 2019-2020

The following is the details of attendance of students who have undergone the value added course on "ARM Processors" for a duration of one weeks from 18th November 2019 to 24th November 2019.

Academic year 2019-2020 (7th sem)

			Date	:18/9	Date	:19/9	Date	:20/9	Date	:21/9	Date	:22/9	Date	e23/9
SI No	Name of the Student	USN	M (9AM to1PM)	A (2 PM to 5PM)	M (9AM to1PM)	A (2 PM to 5PM)	M (9AM to1PM)	A (2 PM to 5PM)						
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Program coordinator:

Much Demosth

Director:



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to USHA. Y.M of $3^{th}$ semester, bearing the
USN 18VISEC049 Department of Electronics & Communication Engineering. SHRIDEVI
INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively
Participated in workshop on "ARM Processors" from 18/11/2019 to 24/11/2019.

24/11/2019

Date Issued

PRINCIPAL SIET., TUMAKURU



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to RAGHURAJ.G.K. of 7th semester, bearing the
USN_ISVISECO3S Department of Electronics & Communication Engineering. SHRIDEVI
INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively
Participated in workshop on "ARM Processors" from 18/11/2019 to 24/11/2019.

24/11/2019

Date Issued

Manuel mens

SIET., TUMAKURU

Program Director

24/11/19



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to RASHMIN BEGAM. H of  $3^{th}$  semester, bearing the USIN ISVILLEC D29 Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "ARM Processors" from 18/11/2019 to 24/11/2019.

24/11/2019

Date Issued

Program Director

24/11/19

PRINCIPAL SIFT, TUMAKURU



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to	ZAMYA.K	of 7 <sup>th</sup> semester,	bearing the
US: N ISVIGEC026 Department of E	lectronics & Commun	ication Engineering.	SHRIDEVI
INSTITUTE OF ENGINEERING &	TECHNOLOGY, TUM.	AKURU - 572106 j	for Actively
Participated in workshop on "ARM Pro	cessors" from 18/11/201	9 to 24/11/2019.	

24/11/2019

Date Issued

Program Director

24/4/10

PRINCIPAL SIET., TUMAKURU

## SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.



SHRIDEVI Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628 | F6 540667 |
Email: info@shrideviengineering.org. principal@shrideviengineering.org | Website: www.shrideviengineering.org |
A: 509:01:2015 Cytholian micro (Approved by AICTE, New Delhi, Recognised by Govt, of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

### **ACADEMIC YEAR 2019-2020**

The following is the list of students undergone the value added course on "Network and Security Administration"for a duration of one weeks from 18<sup>th</sup>May 2020 to 24<sup>th</sup>May 2020.

## Academic year 2019-2020 (8th sem)

Sl No	Name of The Student	USN	Student Signature
1	RAMYA K	1SV14EC026	Danya
2	RASHMIN BEGAM H ,	1SV14EC029	Rashuin
3	ARUN C G .	1SV15EC005	Arun.
4	BHAVANA N	1SV15EC007	(B) have
5	GAGANA S K	1SV15EC013	Gazor.
6.	KAVYAS	1SV15EC018	(k) anya
7	NOOR AYESHA	1SV15EC027	NOOT PURP
8	RAGHURAJ G K	1SV15EC035	Pajust
9	USHA Y M	1SV15EC049	alie
10	VISHWAS S P	1SV15EC052	W
-11	ANUSHA T P	1SV16EC402	Dus

PRINCIPAL SIET., TUMAKURU

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Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

4 to 6 k Email: info@shrideviengIneering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org | An SOF.00:3001 Cadiodistrates

(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

### VALUE ADDED COURSE ON "NETWORK AND SECURITY ADMINISTRATION"

### **Syllabus**

- I. Introduction- Need for Security, Security Attacks, Model
- II. Symmetric Ciphers-Substitution & Transposition Techniques, Block Cipher, Stream Ciphers
- III. Public Key Cryptography- Need and Principles of Public Key Cryptosystems, RSA Algorithm
- IV. Authentication- Authentication Requirements, Message Authentication Codes, Hashes, User Authentication: Password, Certificate based & Biometric Authentication
- V. Network Security- Firewalls ,IP Security, VPN, Intrusion Detection, Web Security, SSL,TLS

Assessment:

Students should obtain:

Min 80% of attendance Min 80% Participation in practice session

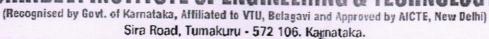
Coordinator

HOD HOD Dept of E&C SIET, Tumkur-8,

PRINCIPAL SIET., TUMAKURU.



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY









Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

Ref: SIET/EC/2019-20/02

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

### APPROVAL LETTER

To, The Principal, SIET, Tumakuru

Respected Sir,

Sub: - Approval for Organizing Students Training Program on "Network and Security Administration"-Reg.

With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "Network and Security Administration" from "18th May 2020 to 24th May 2020" for 8th semester Electronics & communication engineering students.

Kindly consider the above request and approve the same for further proceedings.

Thanking you

Date: 11/5/2020

Place: SIET, Tumakuru.

Coordinator

Dept. of ECE SIET, TUMAKURU

HOD Dept of E&C SIET, Tumkur-6 PRINCIPAL SIET, TUMAKURU

PRINCIPAL SIET., TUMAKURU



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY







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#### DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 11/5/2020

## Circular

It is hereby informed to all 8th semester students that the "Network and Security Administration" training course from "18th May 2020 to 24th May 2020" will be conducted all students are informed to attend the training course without fail.

Coordinator

HOD
Dept. of ECE
SIET, TUMAKURU

HOD Dept of E&C SIET, Tumkur-6

PRINCIPAL SIET TUMAKURU.



# Creovana Labs And Technologies Private Limited ·

Sri Nagara, Kyathsandra, Tumkur, Karnataka, India, 572104.

creovana@gmail.com

#### ACADEMIC YEAR 2019-2020

The following is the details of attendance of students who have undergone the value added course on "Network and Security Administration" for a duration of one weeks from 18th May 2020 to 24th May 2020.

### Academic year 2019-2020 (8th sem)

SI No	Name of the Student	USN	Date:18/9		Date:19/9		Date:20/9		Date:21/9		Date:22/9		Date23/9	
			(9AM to1PM)	A (2 PM to 5PM)	M (9AM to1PM)	A (2 PM to 5PM)	M (9AM to1PM)	A (2 PM to 5PM)	M (9AM to1PM)	A (2 PM to 5PM)	M (9AM to1PM)	A (2 PM to 5PM)	M (9AM to1PM)	A (2 PM to
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2	RASHMIN BEGAM H	1SV14EC029	Rope	Deh	Roll	Roes	Rogh	Page	Roth	Roy	Regl	Rody	Dots	lash.
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4	BHAVANA N	1SV15EC007	80	B	Ro	B	0	B	6	flon	An	ALL	4m	Am
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10	VISHWASSP	1SV15EC052	bes	COY	leis/	Visl	Less	Will					(U)	60
11	ANUSHA T P	1SV16EC402	ornes.	Saes	Ans	anned	Ares	Anns	Amus	Ans	Brish	son in	Ans	Ans

Program coordinator:

Director: Yull

PRINCIPAL SIET., TUMAKURU



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to Awarded T.P. of 8th semester, bearing the USIN ISVIGEC 402 Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "Network and Security Administration" from 18/05/2020 to 24/05/2020.

24 | 05 | 2020 Date Issued

PRINCIPAL SIET., TUMAKURU. Program Director

24/5/20



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

## CERTIFICATE

This certificate is Awarded to Vishwas G.P of 8th semester, bearing the USINISTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "Network and Security Administration" from 18/05/2020 to 24/05/2020.

24/05/2020

Date Issued

Program Director

24/5/20

Uning



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

## CERTIFICATE

This certificate is Awarded to Ramya L, of 8<sup>th</sup> semester, bearing the USN 13VI4ECO26 Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "Network and Security Administration" from 18/05/2020 to 24/05/2020.

24/05/2020

Date Issued

Nemen Domington

Program Director

24/4/20



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

## CERTIFICATE

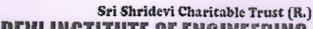
This certificate is Awarded to Roshnun Begam. H. of 8th semester, bearing the USN\_15VI4E(029\_\_ Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "Network and Security Administration" from 18/05/2020 to 24/05/2020.

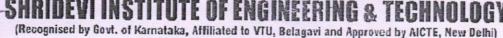
04/05/2020

Date Issued

PRINCIPAL PRINCIPAL

PRINCIPAL SIET., TUMAKURU Program Director







Sira Road, Tumakuru - 572 106. Karnataka.

Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

# SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

SIRA ROAD, TUKAKURU

# DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



### A REPORT ON

"SIET ELECTRONICS & COMMUNICATION CERIFICATION COURSE"

2018-19

HOD

Dept of E&C

SIET, Tumkur-6

PRINCIPAL SIET., TUMAKURU.

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#### SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.



Phone: 0816 - 2212629 | Principat: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

SITRIDEVI Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9580114655 | Total Control of the C Approved by AICTE. New Delhi, Recognised by Govt, of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

#### **ACADEMIC YEAR 2018-2019**

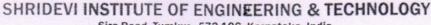
The following is the list of students undergone the value added course on "Real Time operating Systems "for a duration of one weeks from 18th March 2019 to 23rd March 2019.

### Academic year 2018-19 (8th)

SI No	Name of The Student	USN	Student Signature		
1	.LAHARI N RAJ	1SV14EC015	1		
2	ABHISHEK G SHEELVANT	1SV15EC001	28-		
3	AISHWARYA S M	1SV15EC002	N.		
4	AKSHATA BIRADAR	1SV15EC003	A13		
5	AMEENA ROUSHNIE	. 1SV15EC004	Amanthem		
6 -	CL BALAJI	1SV15EC009	12 Lami		
7	CHAITHRA M	1SV15EC010	Charling		
8	D CHANDANA	1SV15EC011	Chand ma		
9	DEEPIKA H P	1SV15EC012	1 Done 100		
10	GEETA RAMESHAPPA HANCHI	1SV15EC014	Parker		
11	HARINI D C	1SV15EC016	Henress		
12	SKAVITHA	1SV15EC017	Kamitha [		
13	MAMATHA M S	1SV15EC020	Mamotha		
14	NITHY A SHREE B T	1SV15EC026	11100114		
15	PADMA M A	1SV15EC028	Out of		
16	POOJA K S	1SV15EC030	Dimo		
17	PRABIN KARKI	1SV15EC031	Disora		
18	PRASHANT CHOUDRI	1SV15EC032	spent ch		
19	PREETHI BAI B L	1SV15EC033	On Money		
20	PRIYANKA K	1SV15EC034	Rough		
21	RAKSHA M V	1SV15EC036	Remide		
22	RAMYA M G	1SV15EC038	On the		
23	RANJITHA B M	1SV15EC039	Kanjiha		
24	ROHITH P	1SV15EC040	Boulde		
25	SAVITA HOSALLI	1SV15EC041	Courts		

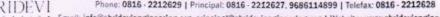
Dept of E&C SIET, Tumkur-6

Sri Shridevi Charitable Trust (R.)



Sira Road, Tumkur - 572 106, Karnataka, India.





SHRIDEVI Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9680114599 | Tenenda, volume of the principal of (Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

#### VALUE ADDED COURSE ON "REAL TIME OPERATING SYSTEMS"

#### **Syllabus**

1: Introduction-RTOS

2: Basics of Tast scheduling

3: Cyclic executives

4 : Cyclic Scheduler

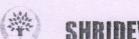
5 : Cyclic Scheduler

#### Assessment:

#### Students should obtain:

Min 80% of attendance Min 80% Participation in practice session

Dept of E&C SIET, Tumkur-6



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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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Sira Road, Tumakuru - 572 106. Karnataka.





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Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

Ref: SIET/EC/2018-19/01

#### DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

### APPROVAL LETTER

To, The Principal, SIET, Tumakuru

Respected Sir,

Sub: - Approval for Organizing Students Training Program on "Real Time operating Systems"-Reg.

With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "Real Time operating Systems" from "19/11/2018 to 25/05/2018" for 7th semester Electronics & communication engineering students.

Kindly consider the above request and approve the same for further proceedings.

Thanking you

Date: 10/11/2018

Place: SIET, Tumakuru.

Coordinator

HOD

Dept. of ECE SIET, TUMAKURU

HOD Dept of E&C SIET, Tumkur-6 PRINCIPAL SIET, TUMAKURU

SHRIDEVI INSTI

Sri Shridevi Charitable Trust (R.)

VI INSTITUTE OF ENGINEERING & TECHNOLOGY





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Sira Road, Tumakuru - 572 106. Karnataka.

Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 12/11/2018

### Circular

It is hereby informed to all 7th semester students that the Real Time operating Systems training course from "19/11/2018 to 25/05/2018" will be conducted all students are informed to attend the training course without fail.

Coordinator

HOD
Dept. of ECE
SIET, TUMAKURU

HOD Dept of E&C SIET, Tumkur-6



### Creovana Labs And Technologies Private Limited

Sri Nagara, Kyathsandra, Tumkur, Karnataka, India, 572104.

creovana@gmail.com

#### ACADEMIC YEAR 2018-2019

The following is the details of attendance of students who have undergone the value added course on "Real Time operating Systems" for a duration of one weeks from 19th November 2018 to 25th May 2018.

#### Academic year 2018-2019 (7<sup>th</sup>sem) .

ti din			Date:18/9		Date:19/9		Date:20/9		Date:21/9		Date:22/9		Date23/9	
SI No	Name of the Student	USN	M (9AM to1PM)	A (2 PM to 5PM)										
1	LAHARI N RAJ	1SV14EC015	hou	100	hove	hom	Serie	home	dru	home	Ino	1 mo	100	hno
2	ABHISHEK G SHEELVANT	1SV15EC001	øg5	abs	Ags	Ags	Ags	Ags	ADS	Pous	Pan	Apris	ARIS	ADA
3	AISHWARYASM	1SV15EC002	Flam		Asm	Fism	Asm	Asm	Asm	Pom	Asm	Asm	Azen	Arm
4	AKSHATA BIRADAR	1SV15EC003	AD)	M	Ah)	An An	ev'	QP.	AD.	MA	ØD.	(A)	AD.	AR
.5	AMEENA ROUSHNIE	1SV15EC004	DXA	A.	AR	20	All	Ar	Al	291.	Ay	AT	AT	Are
6	CL BALAJI	1SV15EC009	clo	cla	CNO	clle	clb	de	chis	clb	CLB	clb	clos	clo
7	CHAITHRA M	1SV15EC010	in	CINO	Com	Cm	an	· CW	an	and	cm	ca	and	con
8	D CHANDANA	1SV15EC011	800	DC	DC	DC	-Rc	80	Br	Rr	A	er	R	30
9	DEEPIKA H P	1SV15EC012	Dho	Du	12/10	Dhy	Plan	Dhon	Phip	Dhu	Dun	D/00	Diva	2 hex
10	GEETA RAMESHAPPA HANCHI	1SV15EC014	yeta	isota	lyata	geita	lysto	1	-	getter	queta	Specto	ejoeta	ejeto
11	HARINI D C	1SV15EC016	Ndr	lotte	Hole	Hole	19de	Hde	Pols	Hola	Holo	Able	Apple	Noc
12	S KAVITHA-	-4SV15EC017	50	156	Ne	NZ	Sk	De	ik	BV	ili	Ly	ik	SK
13	MAMATHA MS	1SV15EC020	Huns	Mas	Mus	Misse	Mens	Mind	Mms	Mind	ums	Mins	nins	Min
14	NITHYA SHREE B T	1SV15EC026	NB	AM	W	A/S	WS	ns	ns		NS	nos	ws	his
15	PADMA M A	1SV15EC028	P.	65	Pr	3)	0	60	6	8	8	6	0	63
16	POOJA K S	1SV15EC030	Poorce	ROOM	Poola	Pack	Pools	PODE	P2010	DOOU	190019	RODIO	Poor	POOR.
17	PRABIN KARKI	1SV15EC031	Rk	RK	M	RZ	PL	RID	62/0	Poor	PIR	OLD	P	121
18	PRASHANT CHOUDRI	1SV15EC032	Pc	Pc	R	R	R	R	R	2	3	R	B.	PC
19	PREETHI BAI B L	1SV15EC033	Presto	Presto	Proots	Prooti	Proots	09,000	@HOD)	Pacochi	Questi	PALODI	Procli	PAROLI
20	PRIYANKA K,	1SV15EC034	PK	PK	BK	Bu	OK	Plk	RV	THE	De	14	Ru	Ph
21	RAKSHA M V	1SV15EC036	Rm	Rim	Run	Rum	Rino	Rnn	Grans	Run	am	Rim	Rim	ann
22	RAMYA M G	1SV15EC038	ma91	mag	more	10007	mat	mati	man	mon	may	Mary	mate	mas
. 23	RANJITHA B M	1SV15EC039	Dani	Pho	Bron	Rusi	1315AT	Bint	Bush	Bmo.	Bur	B1991	Burt	Burn
24	ROHITH P	1SV15EC040	Probit	Rohit	Kohit	Kalit	shit	Robert	Robert	Romi	Robit	Dahit	PANU	Robert
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Program coordinator:

PRINCIPAL SIET., TUMAKURU. Director: Yul

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FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to Rowth. P

of NII semester, bearing the USINISVISECOLO Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "Real Time operating Systems" from 19/11/2018 to 25/05/2018.

Date Issued

PRINCIPAL PRINCIPAL

PRINCIPAL SIET., TUMAKURU Program Director



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to South Hosoll? of NM semester, bearing the USA ISVISECOUL Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "Real Time operating Systems" from 19/11/2018 to 25/05/2018.

25 05 2018

Date Issued

PRINCIPAL SIET. TUMAKURU

Program Director



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

# CERTIFICATE

This certificate is Awarded to Laholi N. Raj of VII semester, bearing the USN ISNIUECOIS Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "Real Time operating Systems" from 19/11/2018 to 25/05/2018.

25 05 2018

Date Issued

PRINCIPAL SIET TUMAKURU

Program Director



FIRM NO.: TMK-F81-2019-20 TUMKUR-572101

## CERTIFICATE

This certificate is Awarded to Philiphek. Y. Sheely and hof NII semester, bearing the USNISNIS ECOOL Department of Electronics & Communication Engineering. SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMAKURU - 572106 for Actively Participated in workshop on "Real Time operating Systems" from 19/11/2018 to 25/05/2018.

25 05 2018 Date Issued

PRINCIPAL SIET., TUMAKURU.

Program Director

Mune