

#### DR. V.R.K WOMEN'S COLLEGE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Premitted by Government of Telangana State Affiliated to Jawaharial Nehru Technological University Hyderabad

Aziznagar (V), Moinabad (M), R.R. Dist. 500 075 - T.S. Contact No. 7893044962 / 08413235962 Website: www.drvrkwomenscollege.com

### **INDEX**

Academic Year(2020-21) Evidence of course completion, like course completion Certificate below mentioned Add-on Programs

S.No	Add-on Programme Name	Page No.
	YEAR 3 (2020-20	021)
1	Data Analytics and Mining	2-6
2	Big Data Management	7 – 11
3	Data Visualization	12 – 16
4	Internet Of Things	17 – 21
5	Scripting Language	22 - 26
6	IOT using Arduino	27 – 31
7	Electrical Smart Grids	32 – 36
8	Know Your Electrical Appliances -	37 – 41
	Selection, Protection and Safety	



## DR. V.R.K WOMEN'S COLLEGE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Premitted by Government of Telangana State Affiliated to Jawaharial Nehru Technological University Hyderabad

Aziznagar (V), Moinabad (M), R.R. Dist. 500 075 - T.S. Contact No. 7893044962 / 08413235962 Website: www.drvrkwomenscollege.com

Date: 30-09-2020

#### Department of Computer Science and Engineering

#### SUMMARY REPORT (2020-21)

on

## ADD-ON PROGRAM Data Analytics & Mining(DAAN01)

FROM 08-09-20 TO 28-09-2020

(34 HOURS)

The Department of Compute Science and Engineering, Dr.VRK Women's College of Engineering and Technology, Aziznagar has successfully conducted Add-on Program on Data Analytics & Mining for B.Tech (CSE) students from 08.09.20 to 28.09.20 during academic year 2020-2021. Total -29 students enrolled the programme and 29 students completed add-on program successfully.

I thank Principal, HOD, Resource Person and students of Dr.VRKWCET for successful conduction of the programme. Finally, I thank the technical staff and volunteers for their support. Related photos are attached here with.

#### Programme Objectives Programme Outcomes Build upon the Cloud computing and This course introduces participants to Data Analytic & Mining tools and data engineering concepts. deploying, best practices for Apply Machine Learning Engineering evaluating, monitoring and operating to real-world projects. production ML systems on Cloud. You will dive into emerging topics in Data Analytic & Mining is a Machine Learning including Data discipline focused on the deployment, Analytics & Mining. testing, monitoring, and automation of ML systems in production. Machine Learning Engineering professionals use tools for continuous improvement and evaluation deployed models.

PROGRAM COORDINATOR

Copy to:

- 1. The Principal
- 2. IOAC



HEAD OF THE DEPARTMENT COMPUTER SCIENCE & ENGINEERING, DR. VRK WOMEN'S COMPUTER ENGINEERING & TECHNOLOGIC



### Department of Computer Science and Engineering

#### ADD ON PROGRAM COMPLETION CERTIFICATE

This is to Certify that Ms.	DUDDYALA	NEERAJA	
Bearing H.T. No:	H81A0503	of CSE Department has successfully completed	3 week
ADD-ON PROGRAM ON DATA	ANALYTICS AND MINING	Organized by Computer Science and Engineering	Depart-
ment from 08-SEP-2020 7	O 28-SEP-2020		

Mrs.Mubeena Anjun
Program Coordinator

Dr.G.KAĽAIMÁNI HOD, CSE Department

CONFLIER SCENCE & ENGINEERING DR.WIK WOMEN'S COLLEGE OF ENGINEERING & TECHNOLOGY Dr.B.SASI KUMAR
PRINCIPAL

PRINCIPAL

Dr. VRK Womens College of Engg. & Tech.

Aziz Nagar, Moinabad, R.R. Dist.



Department of Computer Science and Engineering

#### ADD ON PROGRAM COMPLETION CERTIFICATE

Bearing H.T. No: 18+181405	m car repuriment our succession communicies a week
ADD-ON PROGRAM ON DATA ANALYTICS A	ND MINING Organized by Computer Science and Engineering Depart-

Mrs.Mubeena Anjun
Program Coordinator

Dr.G.KALAIMANI HOD, CSE Department

COMPUTER SCIENCE & ENGINEES.

DR. VRK WOMEN'S COLLECT TO ENGINEERING & TECHNOLOGY

Dr.B.SASI KUMAR

PRINCIPAL

PRINC



### Department of Computer Science and Engineering

#### ADD ON PROGRAM COMPLETION CERTIFICATE

This is to Certify th	nat Ms. NALLA	KAVYA	
Bearing H.T. No:	18H81A0511	of CSE Department has successfully completed	3 week
ADD-ON PROGRAM (	on DATA ANALYTICS AND	MINING Organized by Computer Science and Engineering	Depart-
ment from 08-SE	P-2020 TO 28-SEP-2020	7.	
_		6	

Mrs.Mubeena Anjun
Program Coordinator

Dr.G.KALAIMÁNI HOD, CSE Department

"UTER SCIENCE & ENGINEERING TO RK WOMEN'S COLLEGE OF EL-INEERING & TECHNO! "OY



Dr. VRK Womens College of Engg. & Tech Aziz Nagar, Moinabad, R.R. Dist.



## Department of Computer Science and Engineering

#### APPRECIATION CERTIFICATE

This is to Certify that <del>Dr./Mr.</del> /Ms.	MUBEENA	ANJUM	
VI Description (Selection of the Control of the Con			

Designation: ASST. PROFESSOR of Computer Science and Engineering Department has

Designed, Developed the curriculum and conducted a 3 week ADD-ON COURSE PROGRAM ON DATA ANALYT-

ICS AND MINING Organized by CSE Department from 108-SEP-2020 TO .28-SEP-2020 .

HOD, CSE Department



Dr.B.SASI KUMAR

Dr. VRK Womens College of Engg. & Tech.



#### Dr. VRK WOMEN'S COLLEGE OF ENGINEERING & TECHNOLOGY

EANCET VRKW
ECET VRKW
PGECET VRKW

Approved by AICTE & Premitted by Government of Telengane State
Affiliated to J.M.T.S, Hydershad.

Aziznagar (V), Moinabed (M), R.R. Dist. 500 075 - T.S. Contact No. 7893044962 / 08413235962

Date: 30-09-2020

#### Department of Computer Science and Engineering

#### SUMMARY REPORT (2020-21)

#### ADD-ON PROGRAM BIG DATA MANAGEMENT(BIGD02)

FROM 08-09-20 TO 28-09-2020

34(HOURS)

The Department of Compute Science and Engineering, Dr.VRK Women's College of Engineering and Technology, Aziznagar has successfully conducted Add-on Program on Big Data Management for B.Tech (CSE) students from 08.09.20 to 28.09.20 during academic year 2020-2021. Total -6 students enrolled the programme and 6 students completed add-on program successfully.

I thank Principal, HOD, Resource Person and students of Dr.VRKWCET for successful conduction of the programme. Finally, I thank the technical staff and volunteers for their support. Related photos are attached here with.

Programme Objectives	Programme Outcomes	
To learn and use NoSQL big data management.	1:Describe big data and use cases from selected business domains.	
<ul> <li>To learn mapreduce analytics using Hadoop and related tools.</li> <li>To work with map reduce applications</li> </ul>	2:Explain NoSQL big data management.  3:Install, configure, and run Hadoop and HDFS.	
To understand the usage of Hadoop related tools for Big Data Analytics	4:Perform map-reduce analytics using Hadoop.	
	5:Use Hadoop-related tools such as HBase, Cassandra, Pig, and Hive for big data analytics.	

PROGRAM COORDINATOR

Copy to:

1. The Principal

2. IQAC

MANUAL DEPARTMENT OF THE DEPARTMENT OF THE DEPARTMENT OF THE PROPERTY OF THE P



Department of Computer Science and Engineering

#### **ADD ON PROGRAM COMPLETION CERTIFICATE**

Bearing H.T. No: _	19H8IA0501	of CSE Department has successfully completed	3 week
ADD-ON PROGRAM on	BIG DATA MANAGEMENT O	rganized by Computer Science and Engineering De	partment
from 08-SEP-2020	TO 28-SEP-2020.		

Dr.G.KAUAIMANI Program Coordinator Dr.G.KAĽAIMANI HOD, CSE Department

COMPUTER SCIENCE & ENGINEERING OR, VRK WOMEN'S COLLEGE OF ENGINEERING & TECHNOLOGY Dr.B.SASI KUMAR
PRINCIPAL

Dr. VRK Womens College of Engg. & Tech.
Aziz Nagar, Moinabad, R.R. Dist.



Department of Computer Science and Engineering

### **ADD ON PROGRAM COMPLETION CERTIFICATE**

Bearing H.T. No: _	19H81A0502	of CSE Department has successfully completed	3 week
ADD-ON PROGRAM OF	BIG DATA MANAGEMENT	Organized by Computer Science and Engineering De	partment

Dr.G.KALAIMANI
Program Coordinator

Dr.G.KAEAIMANI HOD, CSE Department

HEAD OF THE DEPARTMENT COMPUTER SCIENCE & ENGINEERING DR. VRK WOMEN'S COLLEGE OF Dr.B.SASI KUMAR
PRINCIPAL

PRINCIPAL

Or. VRK Womens College of Engg. & Tech.

AZZ Nagar, Molpabad, B.B. Dist.



Department of Computer Science and Engineering

#### ADD ON PROGRAM COMPLETION CERTIFICATE

This is to Certify that	Ms. AYESHA	JABEEN	
Bearing H.T. No: _	19H8IA0503	of CSE Department has successfully complet	ed 3 week
ADD-ON PROGRAM on	BIG DATA MANAGEMENT	Organized by Computer Science and Engineering 1	Department
from 08-SEP-2020 T	O 28-SEP-2020.		

Dr.G.KALATMANI
Program Coordinator

Dr.G.KADAIMANI
HOD, CSE Department

COMPUTER SCIENCE & ENGINEERING DR. VRK WOMEN'S COLLEGE OF Dr.B.SASI KUMAR PRINCIPAL

PRINCIPAL

Dr. VRK Womens College of Engg. & Tech.

Aziz Nagar, Moinabad, R.R. Dist.



### Department of Computer Science and Engineering

### APPRECIATION CERTIFICATE

This is to Certify	that Dr./Mr./Ms 6. K	ALAIMANI		<u> </u>
Designation: _	PROFESSOR 1	of Computer Science and	Engineering	Department ho
Designed, Devel	oped the curriculum and	conducted a 3 week ADD-ON COURS	SE PROGRAM OI	BIG DATA MAI
AGEMENT Orga	nized by CSE Department	from 08-SEP-2020 TO 28-SEP-202	0.	

Dr.KALAIMANI HOD, CSE Department

COMPUTER SCIENCE & ENGINEERING DR. VRK WOMEN'S COLLEGE OF DR. VRK WOMEN'S COLLEGE OF



Dr.B.SASI KUMAR PRINCIPAL PRINCIPAL

Or. VRK Womens College of Engg. & Tech.



## DR. V.R.K WOMEN'S COLLEGE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Premitted by Government of Telangana State Affiliated to Jawaharial Nehru Technological University Hyderabad

Aziznagar (V), Moinabad (M), R.R. Dist. 500 075 - T.S. Contact No. 7893044962 / 08413235962 Website: www.drvrkwomenscollege.com

DATE:05-03-2021

#### Department of Computer Science and Engineering

#### SUMMARY REPORT (2020-21)

on

## ADD-ON PROGRAM DATA VISUALIZATION(DATV03)

FROM 15-02-2021 to 05-03-2021

(34 HOURS)

The Department of Compute Science and Engineering, Dr.VRK Women's College of Engineering and Technology, Aziznagar has successfully conducted Add-on Program on DATA VISUALIZATION for B.Tech (CSE) students from 15-12-2021 TO 05-03-2021 during academic year 2020-2021. Total 26 students enrolled the programme and 26 students completed add-on program successfully.

I thank Principal, HOD, Resource Person and students of Dr.VRKWCET for successful conduction of the programme. Finally, I thank the technical staff and volunteers for their support. Related photos are attached here with.

#### Programme Objectives

- 1.Gaining a basic understanding of the subject (e.g., factual knowledge, methods, principles, generalizations, theories)
- 2. Learning to analyze and critically evaluate ideas, arguments, and points of view.
- Learning appropriate methods for collecting, analyzing, and interpreting numerical information
- Developing specific skills, competencies, and points of view needed by professionals in the field most closely related to this course

#### Programme Outcomes

- Understand the fundamental design principles and different types of data visualization.
- Identify both positive and negative impacts of data-informed decision across a variety of domains.
- Apply the fundamental concepts of data visualization to define a project in your field of study.
- Practice the core principles using widely available tools (e.g. Tableau).

### PROGRAMME COORDINATOR

Copy to:

- 1. The Principal
- 2. IOAC



COMPUTER SCIENCE & ENGINE

DR. VRK WOMEN'S COL

ENGINEERING & TECHNOLOGIC



Department of Computer Science and Engineering

#### ADD ON PROGRAM COMPLETION CERTIFICATE

This is to Certify that Ms	LAKSHMI
Bearing H.T. No: 19H81A0512	of CSE Department has successfully completed 3 week
ADD-ON PROGRAM ON DATA VISUALIZATION Org	anized by Computer Science and Engineering Department from
15-FEB-2021 TO 05-MAR-2021.	

Program Coordinator

Dr.G.KALAIMA HOD, CSE Department



Or, VRK Womans College of Engg. & Tech Aziz Nagar, Moinabad, R.R. Dist.



Department of Computer Science and Engineering

## ADD ON PROGRAM COMPLETION CERTIFICATE

This is to Certify that Ms. QAOLA	NASIR
Bearing H.T. No: 19+181A0.514	of CSE Department has successfully completed 3 week
	anized by Computer Science and Engineering Department from
15-FEB-2021 TO 05-MAR-2021.	

Program Coordinator

HOD, CSE Department

Dr.B.SASI KUMAR **PRINCIPAL** 

Or. VRK Womens College of Engg. & To

Aziz Nagar, Moinabad, R.R. Dist



Department of Computer Science and Engineering

#### ADD ON PROGRAM COMPLETION CERTIFICATE

This is to Certify that	t Ms. RUHIN	A KHATOON	
Bearing H.T. No: _	19H81A0517	of CSE Department has successfully completed 3	week
ADD-ON PROGRAM on	DATA VISUALIZATION	N Organized by Computer Science and Engineering Department	from
15-FEB-2021 TO 05	5-MAR-2021.		

Mr.DVGS Prasad

**Program Coordinator** 

Dr.G.KALAIMANI
HOD, CSE Departmen

COMPUTER SCIENCE & ENGINETEDR. VRK USCINETIS COLL

Dr.B.SASI KUMAR PRINCIPAL

Dr. VRK Womens College of Engg. & Tech.
Aziz Nagar, Moinabad, R.R. Dist.



## Department of Computer Science and Engineering

### APPRECIATION CERTIFICATE

This is to Certify that-Dr:/Mr./Ms	195. PRASAD
Designation: ASST. PROFESSOR	of Computer Science and Engineering Department has
Designed, Developed the curriculum ar	d conducted a 3 week ADD-ON COURSE PROGRAM on DATA VISUALI
ZATION Organized by CSE Department	From 15-FEB-2021 TO 05-MAR-2021.

Dr.KALAIMANI
HOD, CSE Department
HEAD OF THE DEPARTMENT

48 THE STATE OF TH

Dr.B.SASI KUMAR
PRINCIPAL
PRINCIPAL

Dr. VRK Womens College of Engg. & Te-A Aziz Nagar, Moinabad, R.R. Dist.



## DR. V.R.K WOMEN'S COLLEGE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Premitted by Government of Telangana State
Affiliated to Jawaharial Nehru Technological University Hyderabad

Aziznagar (V), Moinabad (M), R.R. Dist. 500 075 - T.S. Contact No. 7893044962 / 08413235962 Website: www.drvrkwomenscollege.com

27-02-2021

#### Department of Computer Science and Engineering

#### SUMMARY REPORT (2020-21)

on

ADD-ON PROGRAM Internet of things (IOT104)

FROM 08-02-21 TO 27-02-2021

(32 HOURS)

The Department of Compute Science and Engineering, Dr.VRK Women's College of Engineering and Technology, Aziz Nagar has successfully conducted Add-on Program on MLOP's for B.Tech (CSE) students from 08-02-2021 TO 27-02-2021 during academic year 2020-2021. Total -17 students enrolled the programme and 17 students completed add-on program successfully.

I thank Principal, HOD, Resource Person and students of Dr. VRKWCET for successful conduction of the programme. Finally, I thank the technical staff and volunteers for their support. Related photos are attached here with.

#### Programme Outcomes Programme Objectives Build upon the Cloud computing and This course introduces participants to data engineering concepts. Internet of things tools and best Apply Machine Learning Engineering practices for deploying, evaluating, to real-world projects. monitoring and operating production You will dive into emerging topics in ML systems on Cloud. Machine Learning including Internet Internet of things is a discipline of things. focused on the deployment, testing. monitoring, and automation of ML systems in production. Learning Engineering Machine professionals use tools for continuous evaluation of improvement and deployed models.

#### PROGRAMME COORDINATOR

Copy to:

- 1. The principal
- 2. IQAC



HEAD OF THE DEPARTMENT COMPUTER SCIENCE & ENGINEERING DR. VRK WOMEN'S COLLEGE OF ENGINEERING & TECHNOLOGY



Department of Computer Science and Engineering

### ADD ON PROGRAM COMPLETION CERTIFICATE

This is to Certify that	Ms. SAMRE	EN MIRZA
05/5	17H81A0514	of CSE Department has successfully completed 3 week
ADD-ON PROGRAM on	INTERNET OF THINGS Organ	ized by Computer Science and Engineering Department from
08-FEB-2021 TO 27	-FEB-2021.	

Dr.MOHAMMED AKHEEL
Program Coordinator

Dr.G.KALXIMANI
HOD, CSE Department

COMPUTER SCIENCE & ENGINEERING BR. VRK WOMEN'S COLLEGE OF ENGINEERING & TECHNOLOGY



PRINCIPAL

Or, VRK Womens College of Engg. & Teah,
Aziz Nagar, Moinabad, R.R. Dist.



Department of Computer Science and Engineering

### ADD ON PROGRAM COMPLETION CERTIFICATE

This is to Certify that	Ms. NADIGATLA	NEEHA
	17H81A0510	of CSE Department has successfully completed 3 week
ADD-ON PROGRAM on	NTERNET OF THINGS Organi	zed by Computer Science and Engineering Department from
08-FEB-2021 TO 27-	FEB-2021.	

Dr.MOHAMMED AKHEEL
Program Coordinator

Dr.G.KALAIMANI
HOD, CSE Department

COMPUTER SCIENCE & ENGINEERS

DR. VRK WOMEN'S COLLEGE OF
ENGINEERING & TECHNOLOGY

Dr.B.SASI KUMAR PRINCIPAL

PRINCIPAL

Dr. VRK Womens College of Engg. & Tech.

Aziz Nagar, Moinabad, R.R. Dist.



Department of Computer Science and Engineering

### ADD ON PROGRAM COMPLETION CERTIFICATE

This is to Certify that I	Ms. T. KARAI	MAM SWATHI
Bearing H.T. No:	17H81A0518	of CSE Department has successfully completed 3 week
ADD-ON PROGRAM on II	NTERNET OF THINGS Organ	ized by Computer Science and Engineering Department from
08-FEB-2021 TO 27-F	FEB-2021.	

Dr.MOHAMMED AKHEEL
Program Coordinator

Dr.G.KALAIMANI HOD, CSE Department

COMPUTER SCIENCE & ENGINEERING

OF VRIC WOMEN'S COLLEGE OF

Dr.B.SASI KUMAR
PRINCIPAL

Or. VRK Womens College of Engo. & Tark



## Department of Computer Science and Engineering

### APPRECIATION CERTIFICATE

This is to Certif	y that Dr./Mr./Ms. MO	HAMMED AKHEEL
Designation:	PROFESSOR	of Computer Science and Engineering Department has
Designed, Deve	cloped the curriculum an	d conducted a 3 week ADD-ON COURSE PROGRAM on INTERNET OF
THINGS Organiz	zed by CSE Department f	rom 08-FEB-2021 TO 27-FEB-2021.

Dr.KALA(MANI HOD, CSE Department

HEAD OF THE DEPARTMY AT COMPUTER SCIENCE & ENGINEERING OR, VRK WOMEN'S COLLECT OF



Dr.B.SASI KUMAR PRINCIPAL

Dr. VRK Womens College of Engg. & Tech. Aziz Nagar, Moinabad, R.R. Dist.



## DR. V.R.K WOMEN'S COLLEGE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Premitted by Government of Telangana State Affiliated to Jawaharial Nehru Technological University Hyderabad

Aziznagar (V), Moinabad (M), R.R. Dist. 500 075 - T.S. Contact No. 7893044962 / 08413235962 Website: www.drvrkwomenscollege.com

27.02.2021

#### Department of Computer Science and Engineering

#### SUMMARY REPORT (2020-21)

on

#### ADD-ON PROGRAM SCRIPTING LANGUAGE(SCIR05)

FROM 08-02-2021 TO 27-02-2021

(32 HOURS)

The Department of Compute Science and Engineering, Dr.VRK Women's College of Engineering and Technology, Aziznagar has successfully conducted Add-on Program on Scripting Language for M.Tech (CSE) students from 08-02-2021 to 27-02-2021 during academic year 2020-2021. Total -8 students enrolled the programme and 8 students completed add-on program successfully.

I thank Principal, HOD, Resource Person and students of Dr.VRKWCET for successful conduction of the programme. Finally, I thank the technical staff and volunteers for their support. Related photos are attached here with.

Programme Objectives	Programme Outcomes
The course demonstrates an in depth understanding of the tools and the scripting languages necessary for design and development of web applications	Identify the differences between typical scripting languages and typical system and application programming languages     Apply your knowledge of the strengths and weaknesses of scripting languages to select an implementation language     Create software systems using scripting languages, including PHP and Python
	<ul> <li>Write server-side scripts using PHP and Python's CGI facilities</li> </ul>

PROGRAMME COORDINATOR

Copy to:

1. The Principal

2. IQAC



Hop alay

COMPUTER SCIENCE & ENGINEERING
VRK WOMEN'S COLLEGE OF
ENGINEERING & TECHNOLOGY



Department of Computer Science and Engineering

## ADD ON PROGRAM COMPLETION CERTIFICATE

This is to Certify that	Ms. ASMAYEEN	<u> </u>
Bearing H.T. No:	20H81D5803	of CSE Department has successfully completed 3 week
		mized by Computer Science and Engineering Department
from 08-FEB-2021	TO 27-FEB-2021.	

Dr.SASI-KUMAR
Program Coordinator

Dr.G.KADAIMANI
HOD, CSE Department
HEAD OF THE DEPARTME

COMPUTER SCIENCE & ENGINEERING DR. VRK WOMEN'S COLLEGE OF ENGINEERING & TECHNOLOGY Dr.B.SASI KUMAR
PRINCIPAL

Dr. VRK Womens College of Engg. & T. Aziz Nagar, Moinebad, R.R. Dist.



Department of Computer Science and Engineering

### ADD ON PROGRAM COMPLETION CERTIFICATE

Bearing H.T. No: 20H81D5804 of CSE Department has successfully completed 3 we	This is to Certify that	Ms. G. LAVANY	YA	
CONDING LANGUAGE Organized by Computer Science and Engineering Department	Bearing H.T. No:	20H81D5804	of CSE Department has successfully compl	leted 3 week
ADD-ON PROGRAM on SCRIPTING LANGUAGE Organized by Computer Science and Engineering Departme	ADD-ON PROGRAM on	SCRIPTING LANGUAGE Organ	nized by Computer Science and Engineering	Department
from 08-FEB-2021 TO 27-FEB-2021.	from 08-FEB-2021	ГО 27-FEB-2021.		

Dr.SASHKUMAR
Program Coordinator

Dr.G.KALAIMANI
HOD, CSE Department

COMPUTER SCIENCE & ENGINEERING

OR. VRK WOMEN'S COLLEGE OF

Dr.B.SASI KUMAR
PRINCIPAL

PRINCIPAL

Or. VRK Womens College of Engg. & Tech.

Aziz Nagar, Moinabad, R.R. Dist.



Department of Computer Science and Engineering

### ADD ON PROGRAM COMPLETION CERTIFICATE

This is to Certify that Bearing H.T. No:	Ms. <u>G. ROJA</u> 20H81D5805	of CSE Department has successfully compl	eted 3 week
		nized by Computer Science and Engineering	
from 08-FEB-2021 T	O 27-FEB-2021.		

Dr.SASI KUMAR
Program Coordinator

Dr.G.KALAIMANI
HOD, CSE Department

HEAD OF THE DEPARTMENT EMPUTER SCIENCE & ENGREERING OR VIRK WOMEN'S COLLEGE OF ENGINEERING & TECHNOLOGY





## Department of Computer Science and Engineering

### APPRECIATION CERTIFICATE

This is to Certify	that Dr./Mr./Ms.	B. SASI	KUMAR				
1,000	PROFESSOR		_of Computer				
Designed, Devel	oped the curriculun	n and condu	icted a 3 week	ADD-ON COURS	SE PROGRAM <mark>OI</mark>	SCRIPTING	LAN-
GUAGE Organiza	ed by CSE Departme	ent from 08-i	FEB-2021 TO .	27-FEB-2021.			

Dr.KALAIMANI HOD, CSE Department

DR. VRK WOMEN'S COLLEGE OF



Dr.B.SASI KUMAR PRINCIPAL PRINCIPAL

Dr. VRK Womens College of Engg. & Tech. Aziz Nazar, Moinabad, R.R. Dist.



#### Dr. VRK WOMEN'S COLLEGE OF ENGINEERING & TECHNOLOGY

EAMCET VRKW
ECET VRKW
PGECET VRKW

Approved by AICTE & Promitted by Government of Telangena State
Affiliated to J.M.T.U, Hyderabed.

Aziznagar (V), Moinabad (M), R.R. Dist. 500 075 - T.S. Contact No. 7893044962 / 08413235962

Date: 5.03.21

## Department of Electronics and communication Engineering SUMMARY REPORT (2020-21)

## on SUMMARY REPORT (2020-21

ADD-ON PROGRAM IOT using Arduino (ECE003)

FROM 08-02-21 TO 27-02-2021

The Department of Electronics and Communication Engineering, Dr.VRK Women's College of Engineering and Technology, Aziznagar has successfully conducted Add-on Program on IOT using Arduino for B.Tech (ECE) students from 08-02-21 TO 27-02-2021 during academic year 2020-2021. Total -25 students enrolled the programme and 25 students completed add-on program successfully.

I thank Principal, HOD, Resource Person and students of Dr.VRKWCET for successful conduction of the programme. Finally, I thank the technical staff and volunteers for their support. Related photos are attached here with.

Programme Objectives	Programme Outcomes		
The course gives shall provide an overview of latest IoT trends and practical working experiencein Arduino board for various applications.	After the completion of the course, the students will be able understand the pros of IoT in modernday life, shall learn programming in microcontroller and get hands on experience in designing various IoT applications		

PROGRAMME COORDINATOR

Copy to:

1. The Principal

2. IQAC



ENGINEERING & TECHNOLOGY
OR VER VOOR ENGINEER OF
ERGONAGE / TOOK ENGINEER CONTROL
HEAD OF THE BURNANENT

HOD



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### ADD ON PROGRAM COMPLETION CERTIFICATE

This is to Certify tha	I Ms DEEN FAT.	IMA	
Bearing H.T. No:	19H81A0401	of ECE Department has successfully completed	3 week
ADD-ON PROGRAM on	IOT Using Arduino Organiza	ed by Electronics and Communication Engineering	Depart-
ment from 08-FEB-	2021 to 27-FEB-2021.		

Dr.GUGULOTH RAVI KUMAR
Program Coordinator

Dr.SHAIK SAIDULU
HOD, ECE Department

HEAD OF THE DEPARTMENT ELECTRONICS & COMMUNICATION & DIGNERAL DR. VRK WOMEN'S COLLEGE OF ENGINEERING & TECHNOLOGY



Dr.B.SASI KUMAR
PRINCIPAL

PRINCIPAL

Or. VRK Womens College of Engg. & Tech
Aziz Nagar, Moinabad, R.R. Dist.



### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### ADD ON PROGRAM COMPLETION CERTIFICATE

This is to Certify that	Ms. CHAKAL	I ROJA	
Bearing H.T. No:	19H85A0402	of ECE Department has successfully completed 3	3 week
ADD-ON PROGRAM on	IOT Using Arduino Organ	nized by Electronics and Communication Engineering D	epart)
ment from 08-FEB-2	2021 to 27-FEB-2021.		

Dr.GUGULOTH RAVI KUMAR
Program Coordinator

Dr.SHAIK SAIDULU
HOD, ECE Department

HEAD OF THE DEPARTMENT ELECTRONICS & COMMUNICATION & ENGINEERONIC DR. VRK WOMEN'S COLLEGE OF ENGINEERING & TECHNOLOGY



Dr. VRK Womens College of Engg. & Tecl Aziz Nagar, Moinabad, R.R. Dir.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### **ADD ON PROGRAM COMPLETION CERTIFICATE**

This is to Certify that	Ms. TAYYABA	TABASSUM	
Bearing H.T. No:	19481004-03	of ECE Department has successfully completed	3 week
ADD-ON PROGRAM on	IOT Using Arduino Organiz	ed by Electronics and Communication Engineering	Depart-
ment from 08-FEB-2	2021 to 27-FEB-2021.		

Dr.GUGULOTH RAVI KUMAR
Program Coordinator

Dr.SHAIK SAIDULU
HOD, ECE Department

ELECTRONICS & COMMUNICATION & ENGINEERS
DR. VRK WOMEN'S COLLEGE OF
ENGINEERING & TECHNOLOGY



Dr.B.SASI KUMAR
PRINCIPAL

dr. VRK Womens College of Engg. & Tec: Aziz Nagar, Moinabad, R.R. Dist



## Department of Electronics and Communication Engineering

## **APPRECIATION CERTIFICATE**

This is to Certify	that Dr./Mr./Ms	GUGULOTI	1 RAVI	KUMAR
Designation:	PROFESSOR			and Communication Engineering Depart-
				3 week ADD-ON COURSE PROGRAM IOT using
Arduino Organizea	by ECE Departmen	nt from 08-FEB-2	021 to 27-F	TEB-2021.

Dr.SHAIK SAIDULU HOD, ECE Department

\* V.R.S. Stormed's College of Large A 1 and Party Deptit, R. R. Dirts.



Dr.B.SASI KUMAR PRINCIPAL

Or. VRK Women's College of Engg. & Tech.

Arte Navy Monahad P. P. Dist.



#### DR. V.R.K WOMEN'S COLLEGE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Premitted by Coverement of Telangana State
Affiliated to Jawaharlal Rehro Technological University Hyderabad
Aziznagar (V), Moinabad (M), R.R. Dist. 500 075 - T.S.

Contact No. 7893044962 / 08413235962 Website: www.dryrkwomenscollege.com

Date:02-10-2020

#### Department of Electrical and Electronics Engineering

#### SUMMARY REPORT (2020-21)

on

#### ADD-ON PROGRAM Electrical Smart Grids(EEE003)

08-09-2020 to 28-09-2020

34 (HOURS)

The Department of Electrical and Electronics Engineering, Dr.VRK Women's College of Engineering and Technology, Aziznagar has successfully conducted Add-on Program on Electrical Smart Grids for B.Tech (EEE) students from 08-09-2020 to 28-09-2020 during academic year 2020-2021. Total -17 students enrolled the programme and 17 students completed add-on program successfully.

I thank Principal, HOD, Resource Person and students of Dr.VRKWCET for successful conduction of the programme. Finally, I thank the technical staff and volunteers for their support. Related photos are attached here with.

	Programme Objectives	Programme Outcomes
2. Fo op 3. De	roduce fundamental principles and hnologies of electrical smart grids. ster analytical skills to design and timize smart grid systems. evelop expertise in implementing introl strategies for reliable and	Demonstrate a deep understanding of principles and technologies behind electrical smart grids.     Apply analytical skills to design and optimize smart grid systems for efficiency management.     Implement control strategies for smart
4. Extend	stainable smart grid operation. camine the impact of smart grid chnologies on the existing electrical ower infrastructure.	grids, considering reliability and sustainability.  4. Evaluate the impact of smart grid technologies on the electrical power
5. Er	opose solutions for challenges in smart id implementation.	<ol> <li>Develop the ability to propose innova solutions for challenges in electrical smart grid implementation.</li> </ol>

PROGRAM COORDINATOR

Copy to:

1. The Principal

2. IQAC





TRICAL & ELECTRONICS ENGINEET

VEN WOMEN'S COLLEGE

ENGINEERING & TECHNOLOGY



## Department of Electrical and Electronics Engineering

## ADD ON PROGRAM COMPLETION CERTIFICATE

This is to Certify tha	Mrs. Mohammad	Muskan	Falak
Bearing H.T. No: _	20H85A0202	_of EEE Departme	ent has successfully completed 3 week
ADD-ON PROGRAM OF	Electrical Smart Grid Organized	l by Electrical and	Electronics Engineering Department
from 08-SEP-2020	to 28-SEP-2020.		

Mr.SYED RIYAZ AHMED
Program Coordinator

Dr.K.PREM LATHA
HOD, EEE Department

HEAD OF THE DEPARTMENT ELECTRICAL & ELECTRONICS IN DR. VRK WOMEN'S COLLE ENGINEERING & TECHNOLOGY Dr.B.SASI KUMAR
PRINCIPAL

. VRK Women's College of Engg. & Tech. Aziz Negar, Moinabed, R.R. Dist.



## Department of Electrical and Electronics Engineering

## ADD ON PROGRAM COMPLETION CERTIFICATE

	and the state of t	hi Dandhya
Bearing H.T. No:	18H85A0205	of EEE Department has successfully completed 3 w
ADD-ON PROGRAM OF	Electrical Smart Grid Organi	ized by Electrical and Electronics Engineering Departm
from 08-SEP-2020	to 28-SEP-2020.	
	Distriction of the Control of the Co	

Mr.SYED RIYAZ AHMED
Program Coordinator

Dr.K.PREM LATHA
HOD, EEE Department

TRICALS ELECTRONICS ENGINEERING
OR VRK WOMEN'S COLLEGE OF
ENGINEERING & TECHNOLOGY

Dr.B.SASI KUMAR PRINCIPAL

DRINCIPAL

Jr. VRK Womens College of Engg. & Tecl.,
Aziz Nagar, Mainebed, R.R. Dist.



Department of Electrical and Electronics Engineering

## ADD ON PROGRAM COMPLETION CERTIFICATE

Bearing H.T. No: 19H85A0206 of EEE Department has successfully completed 3 and Electronics Engineering Department has a successful by Electronic and Electronic Engineering Department has a successful by Electronic and Electronic Engineering Department has a successful by Electronic Engineering Department has a successful by Electronic Electronic Engineering Department has a successful by Electronic E	earing H.T. No:	1948510206	of EEE Department has successfully comple	ted 3 week
ADD-ON PROGRAM on Electrical Smart Grid Organized by Electrical and Electronics Engineering Depart				Manager Bil Appearant
A STREET CONTRACTOR CO	D-ON PROGRAM OF	Electrical Smart Grid Or	ganized by Electrical and Electronics Engineering	Department
from 08-SEP-2020 to 28-SEP-2020.	om 08-SEP-2020	to 28-SEP-2020.		

Mr.SYED RIYAZ AHMED
Program Coordinator

Dr.K.PREM LATHA
HOD, EEE Department

ECTRICAL & ELECTRONICS ENGINEERING
DR. VRK WOMEN'S COLLEGE OF

Dr.B.SASI KUMAR
PRINCIPAL

PRINCIPAL

T. VRK Womens College of Engg. & Tech.

And Nagar, Mainabad, R.R. Diet



## Department of Electrical and Electronics Engineering

## **APPRECIATION CERTIFICATE**

This is to Certify that Dr./Mr./Ms. Julie Aigaz Minuted

Designation: Assistant Professor of Electrical and Electronics Engineering Department has

Designed, Developed the curriculum and conducted a 3 week ADD-ON COURSE PROGRAM on Electrical Smart

Grid Organized by EEE Department from 08-SEP-2020 to 28-SEP-2020.

Dr.K.PREM LATHA
HOD, EEE Department
HEAD OF THE DEFAECTRICAL & ELECTRONICS ENGINEERING
DR. VRK WOMEN'S COLLEGE OF

148

Dr.B.SASI KUMAR PRINCIPAL

Or. VRK Women's College of Engg. & Tech



#### Dr. VRK WOMEN'S COLLEGE OF ENGINEERING & TECHNOLOGY

EAMCET VRKW
ECET VRKW
PGECET VRKW

Approved by AICTE & Premitted by Government of Telengene State
Affiliated to J.R.T.U, Hyderabad.

Aziznagar (V), Moinabed (M), R.R. Dist. 500 075 - T.S. Contact No. 7893044962 / 08413235962

Date: 30-09-2020

## Department of Humanities and Sciences ACADEMIC CALENDAR (2020-21) ADD-ON PROGRAM ON

Know your electrical appliances - selection, protection and safety(HS0003)

SUMMARY REPORT

(34 HOURS)

The Department of Humanities & Science and Engineering, Dr.VRK Women's College of Engineering and Technology, Aziznagar has successfully conducted Add-on Program on Know your Electrical Appliances-Selection, Protection & Safety for B.Tech -I YEAR students from 08-09-20 to 28-09-20 during academic year 2020-2021. Total 36 students enrolled the programme and 36 students completed add-on program successfully.

I thank Principal, HOD, Resource Person and students of Dr.VRKWCET for successful conduction of the programme. Finally, I thank the technical staff and volunteers for their support. Related photos are attached here with.

#### Programme Objectives

- To understand basic concepts of electrical devices /components
- To understand basic domestic appliances and their ratings
- To understand protection and safety of electric equipment and power consumption
- to able to select good electrical appliances

#### Programme Outcomes

- Know the basic electrical devices or components
- Realize the importance of protection and safety of electrical appliances
- Learn the uses of electrical devices/ components
- Learn the principles of basic electric appliances

Learn to measure the power consumption of basic electrical appliances

PROGRAM COORDINATOR

Copy to:

- 1. The Principal
- IQAC



HOD HEAD OF THE DEPARTMENT HUMANITIES AND SCIENCE DR.V.R.K WOMEN'S COLLEGE OF ENGINEERING AND TECHNOLOGICAL COLLEGE OF THE PROPERTY OF THE PRO



### Department of Humanities and Science

### **ADD ON PROGRAM COMPLETION CERTIFICATE**

This is to Certify the	I Ms. ANKARLA	VAISHNAYI	
Bearing H.T. No: _	20418190501	of H&S Department has successfully completed 3	week
ADD-ON PROGRAM O	n Know Your Electrical A	Appliances—Selection , Protection and Safety Organized by Humo	anities
and Science Depart	ment from 08-SEP-20.	20 to 28-SEP-2020.	
		0 1	

Ms.B.POOJITHA
Program Coordinator

Dr.TOUSEEF HUMAIRA HOD/H & \$

HEAD OF THE DEPARTMENT
HUMANITIES AND SCIENCE
DR.V.R.K WOMEN'S COLLEGE
OF ENGINEERING AND TECHNOLOGY

Dr.B.SASI-KUMAR PRINCIPAL

PRINCIPAL

VRK Womens College of Engg. & Tech. Aziz Nagar, Moinabad, R.R. Dist.



### Department of Humanities and Science

#### **ADD ON PROGRAM COMPLETION CERTIFICATE**

This is to Certify that	Ms. DAHALE	SARASWATHI
Bearing H.T. No: _	20H81A0505	of H&S Department has successfully completed 3 week
ADD-ON PROGRAM OF	Know Your Electrical Appl	liances—Selection , Protection and Safety Organized by Humanities
and Science Departn	ient from 08-SEP-2020 i	to 28-SEP-2020.
		S 1

Ms.B.POOJITHA
Program Coordinator

Dr.TOUSEEF HUMAIRA

HEAD OF THE DEPARTMENT HUMANITIES AND SCIENCE DR.V.R.K WOMEN'S COLLEGE OF ENGINEERING AND TECHNOLOGY Dr.B.SASI KUMAR PRINCIPAL

PRINCIPAL

VRK Womens College of Engg. & Tech. Aziz Nagar, Moinabad, R.R. Dist.



### Department of Humanities and Science

### **ADD ON PROGRAM COMPLETION CERTIFICATE**

This is to Certify tha	t Ms	NAMBURT	GREESHMITHA
Bearing H.T. No: _	20H81	\$170A	of H&S Department has successfully completed 3 week
ADD-ON PROGRAM OF	Know Your	Electrical Appli	ances—Selection , Protection and Safety Organized by Humanities
and Science Departn	nent from (	08-SEP-2020 to	o 28-SEP-2020.
No.			

Ms.B.POOJITHA
Program Coordinator

Dr.TOUSEEF HUMAIRA HOD/H & \$

HEAD OF THE DEPARTMENT HUMANITIES AND SCIENCE DR.V.R.K WOMEN'S COLLEGE FENGINEERING AND TECHNOLOGY Dr.B.SASI KUMAR
PRINCIPAL

PRINCIPAL

Ir. VRK Womens College of Engg. & Tech.

Aziz Nagar, Molnabad, R.R. Dist.



### Department of Humanities and Science

### APPRECIATION CERTIFICATE

This is to Certify	y that Dr./Mr./Ms. B. PC	OJITHA	
Designation: _	\$55T. PROFESSOR	of Humanities and Science Department has	Designed, De-
veloped the cur	riculum and conducted a 3	week ADD-ON COURSE PROGRAM ON Know Your Elect	rical Appliances—
Selection , Protect	tion and Safety Organized by He	&S Department from 08-SEP-2020 to 28-SEP-20.	20.

Dr.TOUSEEF HUMAIRA HOD, H&S Department

HEAD OF THE DEPARTMENT HUMANITIES AND SCIENCE DR.V.R.K WOMEN'S COLLEGE OF ENGINEERING AND VENTION



Dr.B.SASI KUMAR PRINCIPAL PRINCIPAL

Or. VRK Womens College of Engg. & Tech.