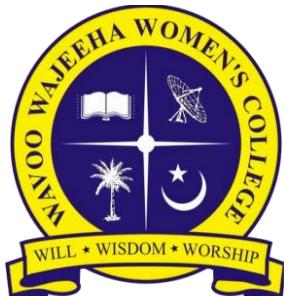


**WAVOO WAJEEHA WOMEN'S COLLEGE**  
**OF ARTS AND SCIENCE, KAYALPATNAM**  
(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)  
Run by Wavoo SAR Educational Trust  
(Minority Institution)



# **DEPARTMENT OF COMPUTER SCIENCE**

## **ANNUAL REPORT 2020 - 2021**



## WAVOO WAJEEHA WOMEN'S COLLEGE

OF ARTS AND SCIENCE, KAYALPATNAM

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

Run by Wavoo SAR Educational Trust

(Minority Institution)



S. No	Event	Page No
1	Introduction	3
2	E-Quiz	3
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5	Hands - on Training	6
6	Faculty Enhancement Activities	8
7	Students Participation & Achievement	8
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## ANNUAL REPORT 2020-2021

### Introduction

We the department of computer science feel immense pleasure in documenting our development and achievements for the academic year 2020-2021.

### E-Quiz on Cryptography and Network Security

Department of Computer Science in collaboration with Department of Information Technology of our college, conducted an E-Quiz on **Cryptography and Network Security** on 06.06.2020 and 08.06.2020. 260 plus members from both the departments participated and benefitted out of it. (**Annexure I**)



**WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS AND SCIENCE**  
(Run by WAVOO SAR EDUCATIONAL TRUST)  
Kayalpatnam - 628204

**E-Quiz**  
**on**  
**Cryptography and Network Security**

6 June 2020 – 8 June 2020

**Department of Computer Science & Information Technology**

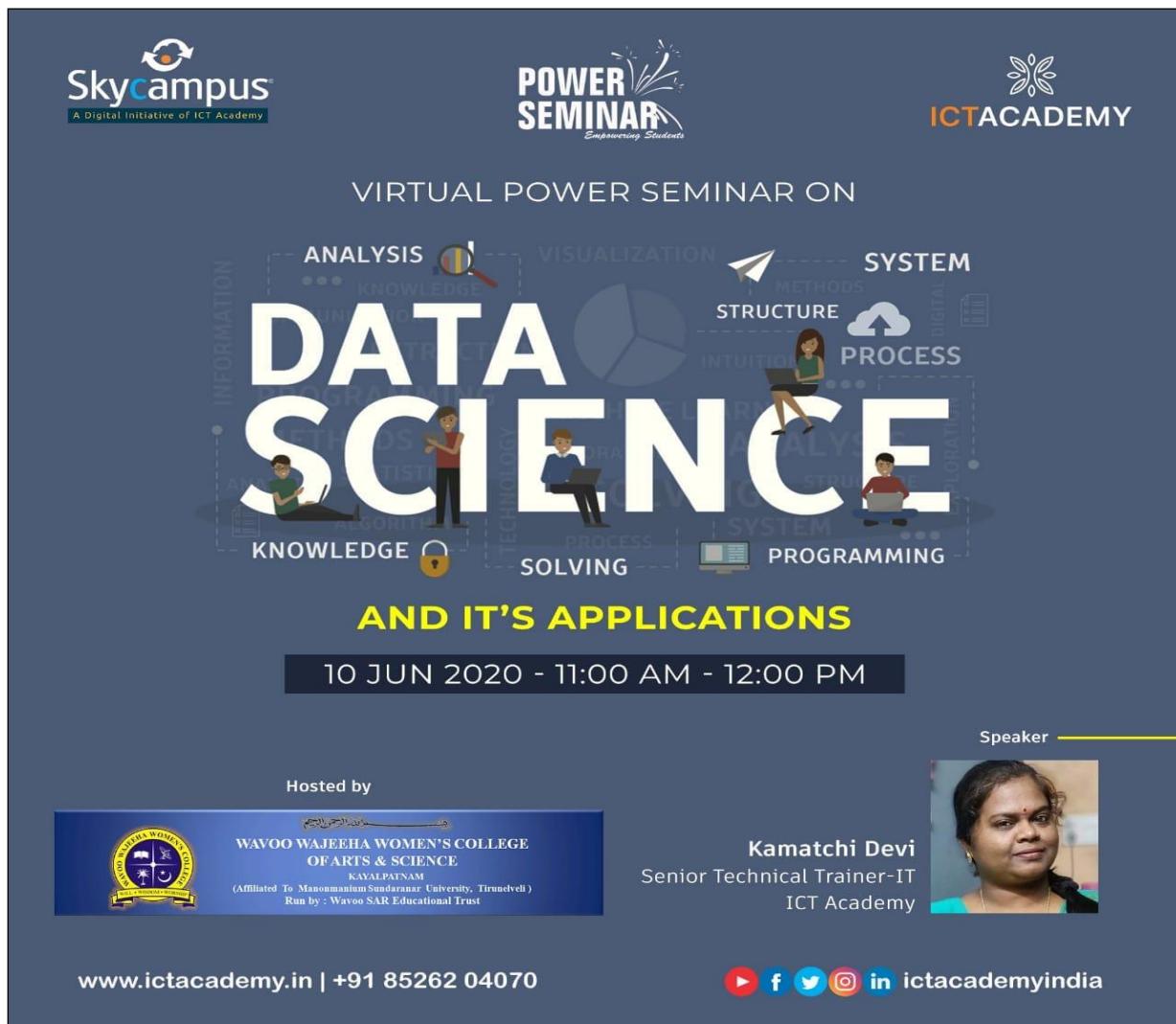
No registration fee

E-Certificate will be issued

**Fig 1: E-Quiz on Cryptography and Network Security**

## Virtual Power Seminar on Data Science

Department of Information Technology and Computer Science join together and conducted Virtual Power Seminar on Data Science and its applications on 10 June 2020 at 11 am. Mrs. Kamatchi Devi, Senior Technical Trainer - IT, ICT Academy shared her knowledge in Data Science to the students thru Google meet platform and 60 plus students from both the departments participated and benefitted out of it. We thank Mr. Raj Kumar for coordinating all the ICT activities. **(Annexure II)**



**Fig 2: Virtual Power Seminar on Data Science**

## National Level FDP

The Computer Science and the Information Technology jointly organized 3 Days National Level FDP Next-Gen Classroom Teaching and Digital Content Creation between 17.06.2020 to 19.06.2020. With information changing by the day, we understand the pressures you have to rapidly create informative video content and take classes online and this programme had been conducted for the teacher's fraternity to handle their classes effectively in the pandemic period.

Mrs. Merin Thomas, Dr. Naveen J, Mrs. Vandana Reddy from Department of Computer Science and Engineering, School of Engineering and Technology, CHRIST (Deemed to be University), Bangalore were the resource persons.

Rubrics in Google forms, Exploring Type form, Emaze, Google 'Jamboard, Google slide - Joinpd, peardeck were demonstrated lively. (**Annexure III**)



**Fig 3: National Level FDP**

## **Hands - on Training**

Departments of Computer Science and Information Technology jointly organized crash-course to Build Neural Networks from scratch using Python between 29.06.2020 to 03.07.2020. Dr. R. Manjula Devi, Dr. P. Keerthika and Dr. P. Suresh, Assistant Professors (SrGs), Dept of Computer Science and Engineering, Kongu Engineering College, Erode shared their knowledge in various topics like Machine Learning, Neural Networks, Building Neural networks using Python. Session was conducted thru G-Meet platform and 50 plus participants benefitted out of this. (Annexure IV)

 **Wavoo Wajeeha Women's College of Arts and Science , Kayalpatnam - 628204**

**DEPARTMENTS**  
Of  
**Computer Science and Information Technology**

**Crash Course to Build Neural Network from Scratch using Python**

**(Learn By Doing)**  
**29.06.2020 - 03.07.2020**  
**(2PM - 3PM)**

**Program Structure (Hands On)** **Organizing Committee**

* OVERVIEW OF MACHINE LEARNING	ALHAJ WAVOO S. SEYED ABDUR RAHMAN, PRESIDENT
* FUNDAMENTALS OF NEURAL NETWORK	HAJI WAVOO M.M. MOHUTHAZEEM, B.A (CS), SECRETARY
* SIMPLE NEURAL MODEL	HAJI HAFIZ WAVOO SAR AHMED ISHAQUE
* TYPES OF LEARNING METHODS	AALIM, M.A. AZHARI (EGYPT), ASST. SECRETARY
* CATEGORIES OF NEURAL NETWORK	DR.R.C.VASUKI M.A, PH.D.,DGT,PRINCIPAL
* BASIC OPERATIONS OF NUMPY	DR.MERCY HENRY M.A, PH.D., DIRECTOR
* MATPLOTLIB USING PYTHON	
* BUILD A NEURAL NETWORK USING PYTHON	

**Conveners**

Mrs. A. Nesa Agnes Bellinta HEAD, DEPARTMENT OF CS CONTACT @ 8220075559	Mrs. J. Sharmine Mary Janaki HEAD, DEPARTMENT OF IT CONTACT @ 8072430992
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**Fig 4: Hands - on Training**



# WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS AND SCIENCE

(Affiliated to Manonmaniam Sundaranar university, Tirunelveli)

Run By - Wavoo SAR Educational Trust

## DEPARTMENTS OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

ORGANIZES

### "CRASH COURSE TO BUILD NEURAL NETWORK FROM SCRATCH USING PYTHON "

29 JUNE - 3 JULY, 2020

TIME: 2PM - 3PM

#### Resource Persons



Dr. R. Manjula Devi  
Assistant Professor(SrG)  
Computer Science and Engineering  
Kongu Engineering College, Erode



Dr.P. Keerthika,  
Assistant Professor(SrG)  
Computer Science and Engineering,  
Kongu Engineering College, Erode.



Dr. P. Suresh  
Assistant Professor (SrG)  
Information Technology,  
Kongu Engineering College, Erode.

#### Registration Link

<https://bit.ly/37MGD63>

or



Platform: G - Meet  
Registration Fee - Rs 100/-



91 98 94 17 45 91

Fig 5: crash-course to build neural networks from scratch using Python

## **Faculty Enhancement Activities**

Staff members have shown their fanatical interest, to participate in faculty developmental programmes organized by reputed institutions. It would enable faculty members to update their research and pedagogical skills and to augment the academic and intellectual environment in the Institution. (**Annexure V**)

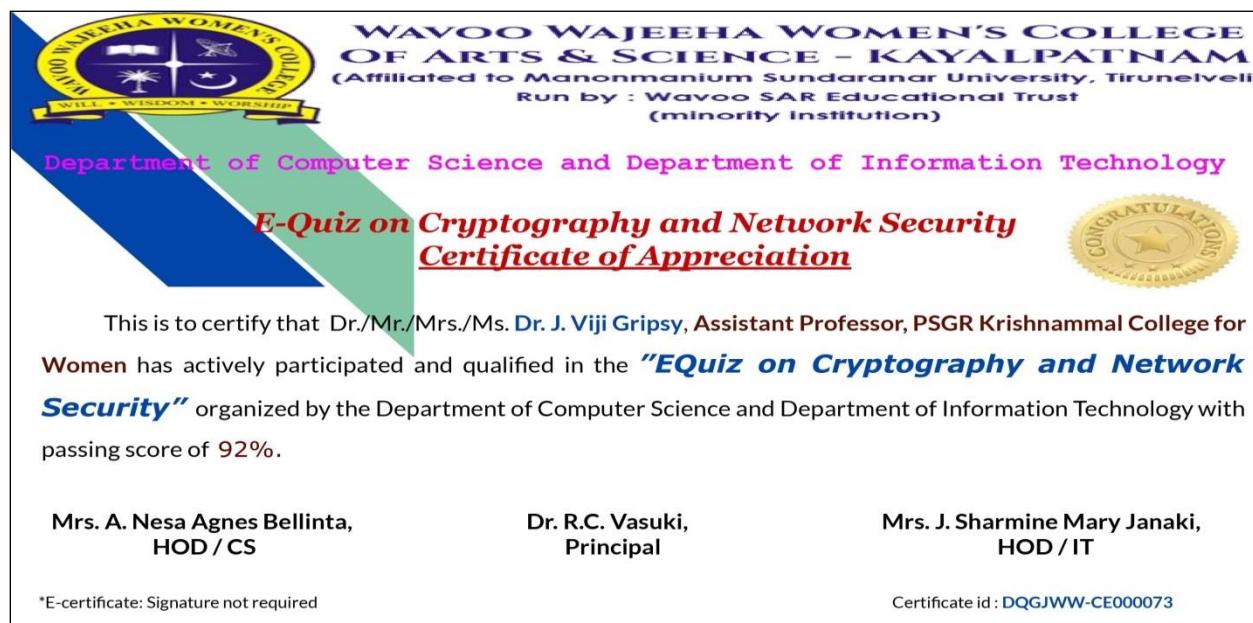
## **Students Participation & Achievement**

Our Students have participated in numerous technical contests held at various institutions and brought laurels to the institution and the department. Also they have participated in workshops and seminars to expand their knowledge in current technical drift. (**Annexure VI**)

## **Academic Attainments**

One of the incredible achievements of our department is that our students have acquired following University Ranks. (**Annexure VII**)

### **Annexure I**



**Fig 6: Appreciation Certificate issued to all the participants**

## Annexure II

11:15 AM ... 65%

< Participants (62)

Search

shaamilaa (me)

Raj Kumar (host)

Kamatchi Devi D

A. Sithi Sawfan

Amina Musfeek...

Anwarshath2@g...

Ashwini

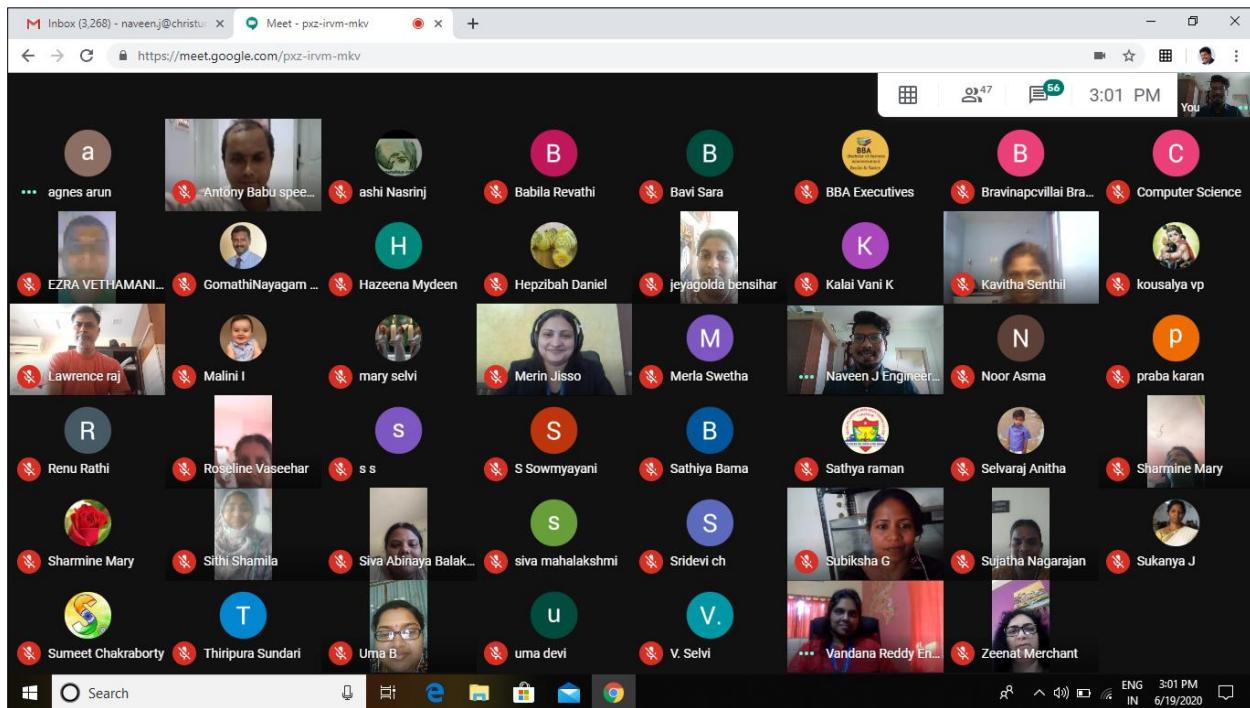
Aysha Ameera

Chat

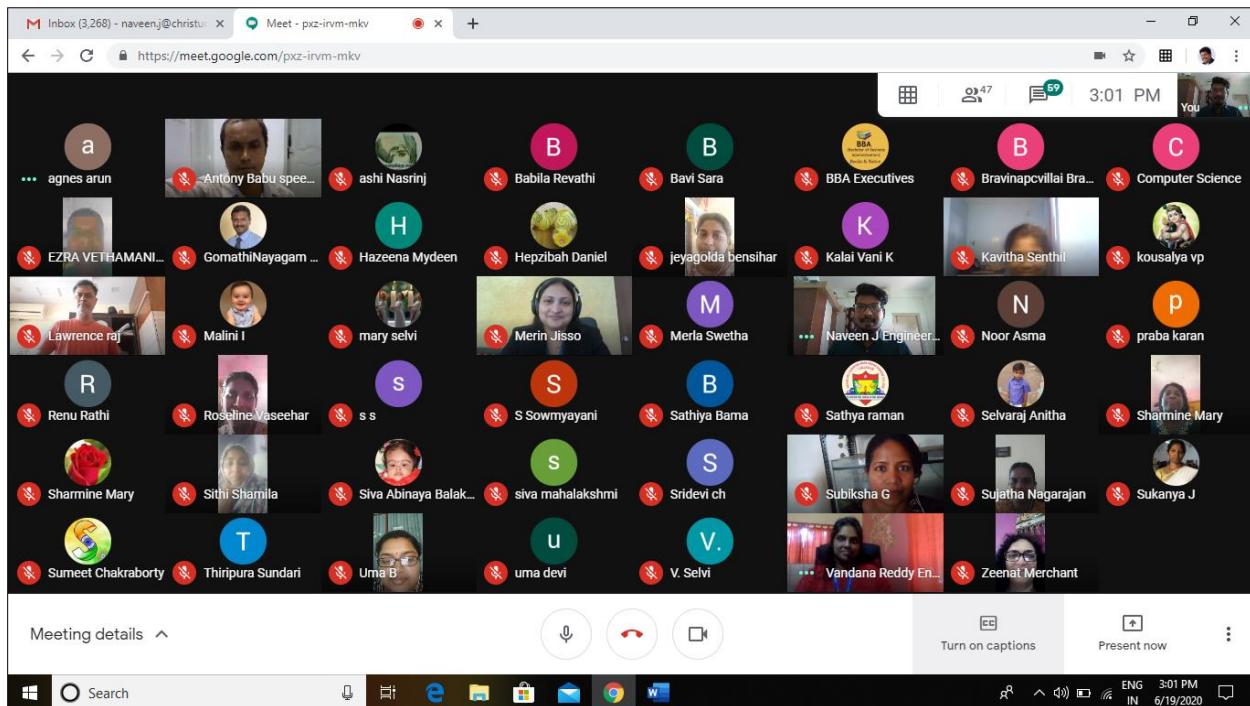
Raise Hand

Fig 7: Participants List of Virtual Power Seminar

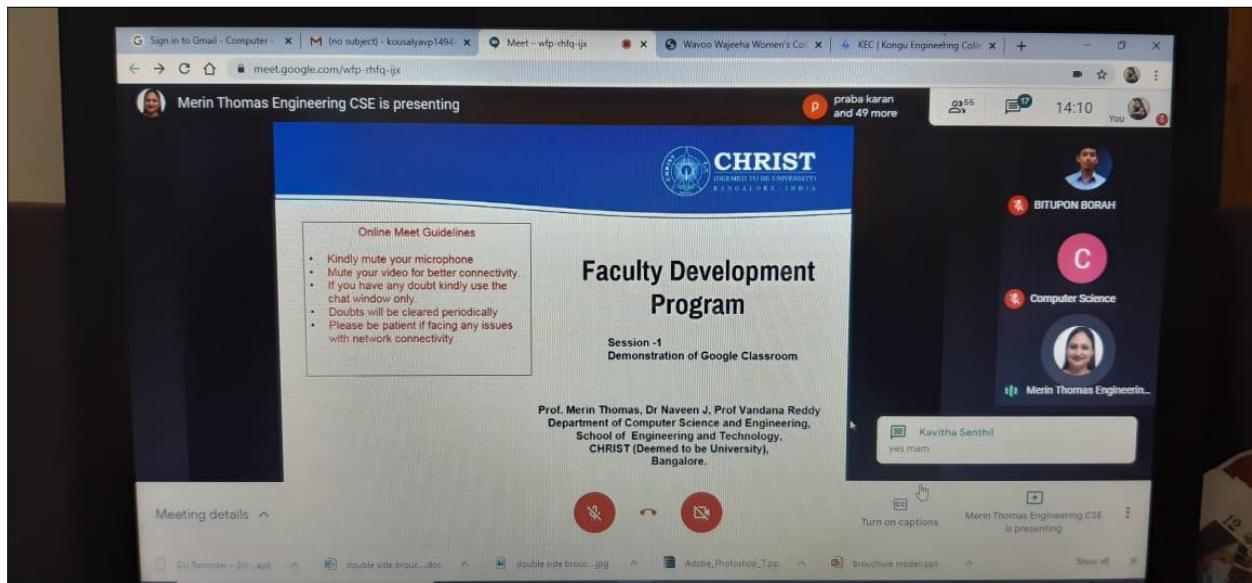
### Annexure III



**Fig 8: Online Session by Prof. Merin Thomas**



**Fig 9: Online Session by Prof. Merin Thomas**

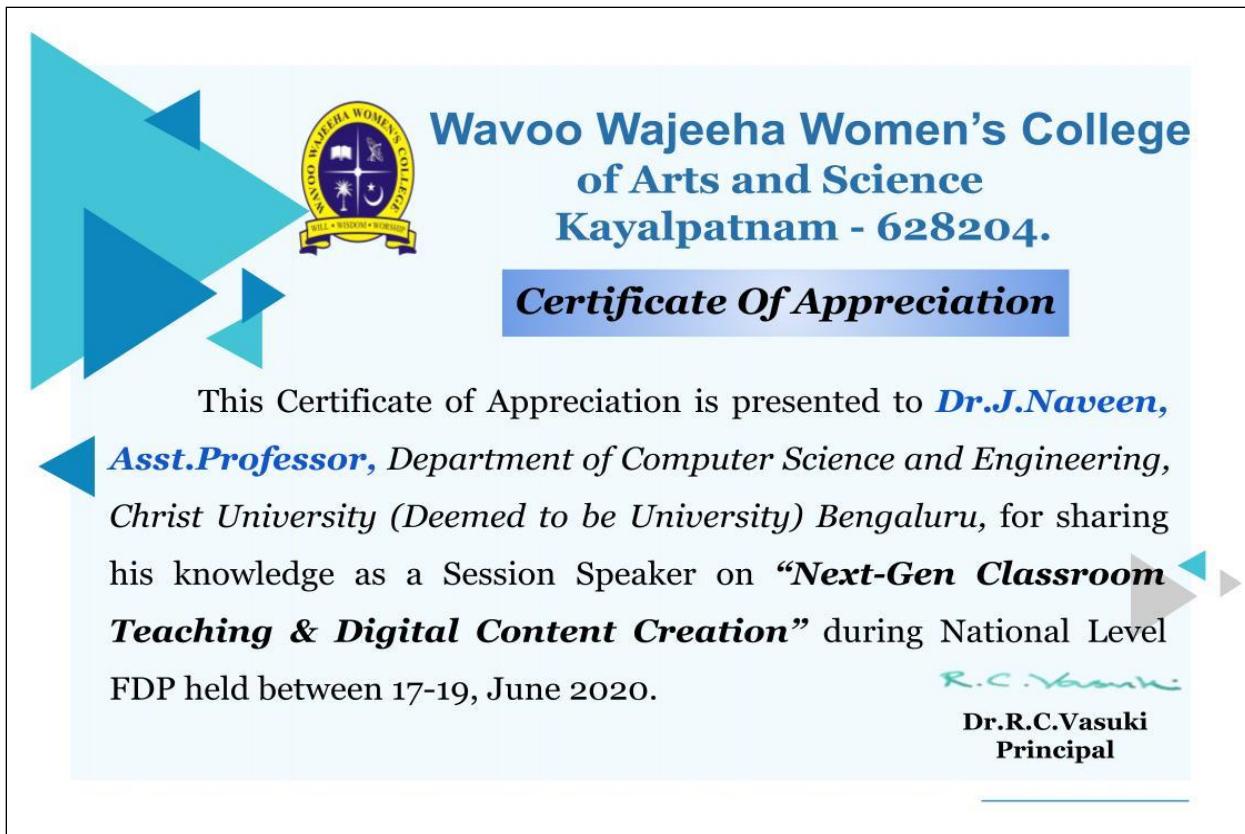


**Fig 10: Resource person's introduction to the audience**

No: of mangoes Ramu has=10  
No: of mangoes he gave to sister=3  
Mangoes left=  $10 - 3 = 7$

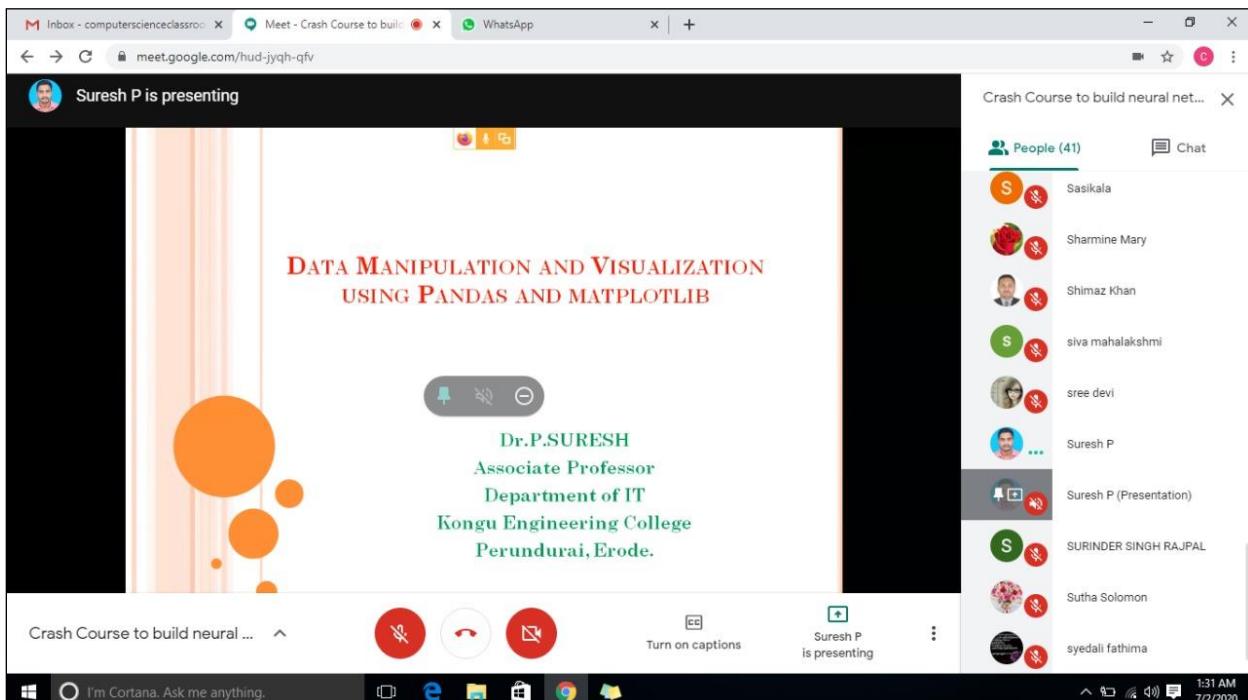
Mark	Mark	Mark
All steps Answer correct	All steps Answer Wrong	Only Answer 7
On time	2 Days late	Late Submission

**Fig 11: Participant's list**



**Fig 12: Appreciation Certificate issued to Resource Persons**

#### **Annexure IV**



**Fig 13: Crash course session by Dr. P.Suresh, Asst Prof, Kongu Engineering College**



## WAVOO WAJEEHA WOMEN'S COLLEGE

OF ARTS AND SCIENCE, KAYALPATNAM - 628204

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Run By - Wavoo SAR Educational Trust

### CERTIFICATE OF PARTICIPATION

This is to certify that Ms.HANIA ZAINAB A H , from SURESH GYAN VIHAR UNIVERSITY has actively participated in the 5 days Crash Course "To build Neural Network from scratch using Python", organized by the Departments of Computer Science and Information Technology, Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam from 29.06.2020 to 03.07.2020.

A. Nesa Agnes Bellinta  
Head, Dept of CS

Dr.R.C.Vasuki  
Principal

J. Sharmin Mary Janaki  
Head, Dept of IT

CERTIFICATE ID: 9TCCKC-CE000030

**Fig 14: Participation Certificate of 5 days Crash Course**

### Annexure V

### Staff Activities

S. No	Name of the Faculty	Event/Topic Name	Date	Organized By
1	Mrs.A. Nesa Agnes Bellinta	E-Quiz on Cryptography and Network Security	08.06.2020	Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam
2	Mrs.A. Nesa Agnes Bellinta	Software Process Model	12.06.2020	Sarah Tucker College, Tirunelveli

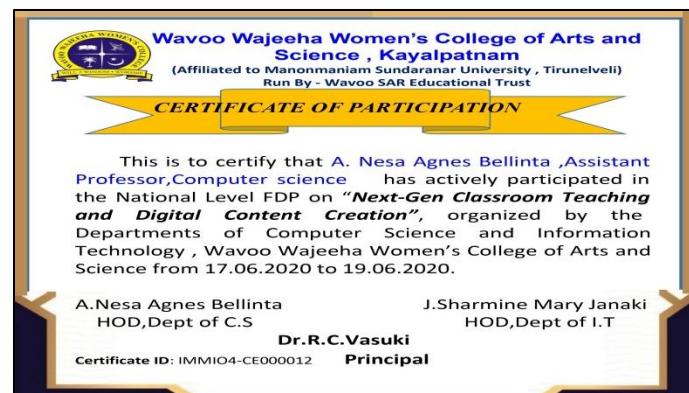
3	Mrs.A. Nesa Agnes Bellinta	Next-Gen Classroom Teaching and Digital Content Creation	17.06.2020 to 19.06.2020	Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam
4	Mrs.A. Nesa Agnes Bellinta	Crash-course to Build Neural Networks from scratch using Python	29.06.2020 to 03.07.2020	Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam
5	Mrs.A. Nesa Agnes Bellinta	Next Generations of Computing: Artificial Intelligence and Machine Learning	06.07.2020 to 12.07.2020	Anand Institute of Higher Technology, OMR, Chennai
6	Mrs.A. Nesa Agnes Bellinta	Born To Succeed	05.02.2021	Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam
7	Mrs. S. N. Sithi Shamila	Software Process Model	12.06.2020	Sarah Tucker College, Tirunelveli
8	Mrs. S. N. Sithi Shamila	Next-Gen Classroom Teaching and Digital Content Creation	17.06.2020 to 19.06.2020	Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam
9	Mrs. S. N. Sithi Shamila	Crash-course to Build Neural Networks from scratch using Python	29.06.2020 to 03.07.2020	Wavoo Wajeeha Women's College of Arts and Science,

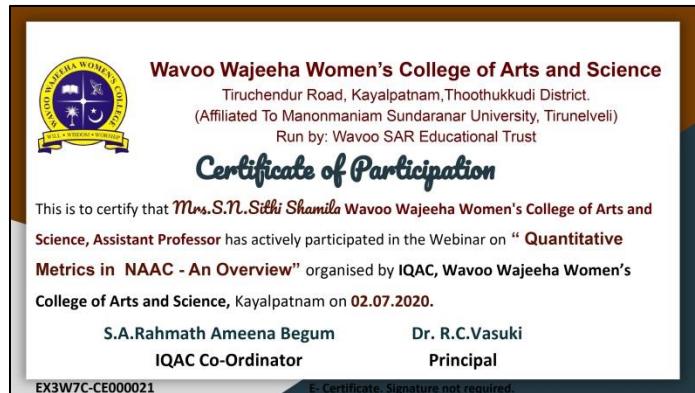
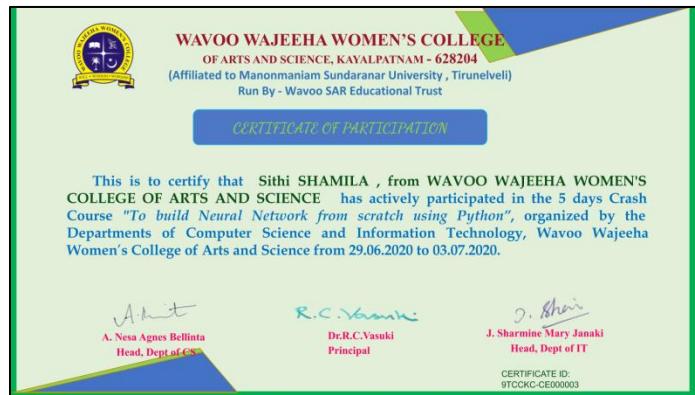
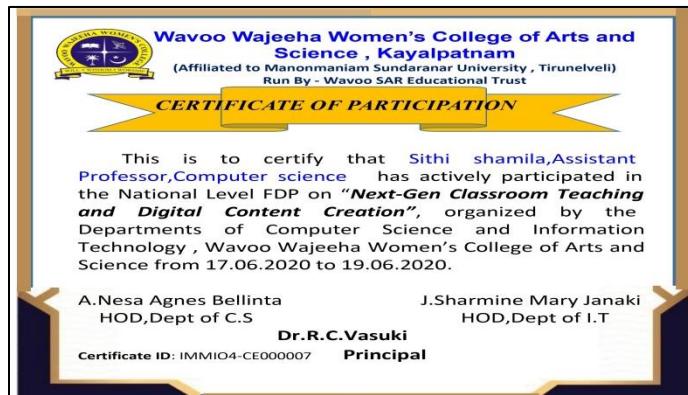
				Kayalpatnam
10	Mrs. S. N. Sithi Shamila	Emerging Technology of Fourth Industrial Revolution(4IR): A Practical Approach to Theoretical Conversion	29.06.2020 to 04.07.2020	SRM Institute of Science and Technology, SRM Nagar, Kattankulathur
11	Mrs. S. N. Sithi Shamila	Quantitative Metrices in NAAC – An Overview	02.07.2020	IQAC, Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam
12	Mrs. A. Ashika Nasrin	E-Quiz on Cryptography and Network Security	08.06.2020	Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam
13	Mrs. A. Ashika Nasrin	Next-Gen Classroom Teaching and Digital Content Creation	17.06.2020 to 19.06.2020	Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam
14	Mrs. A. Ashika Nasrin	crash-course to Build Neural Networks from scratch using Python	29.06.2020 to 03.07.2020	Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam
15	Dr. Mrs. J. Kavitha	Cybersecurity Essentials (Online Live FDP)	18.06.2020 to 24.06.2020	ICT Academy, Wavoo Wajeeha Women's College of Arts and

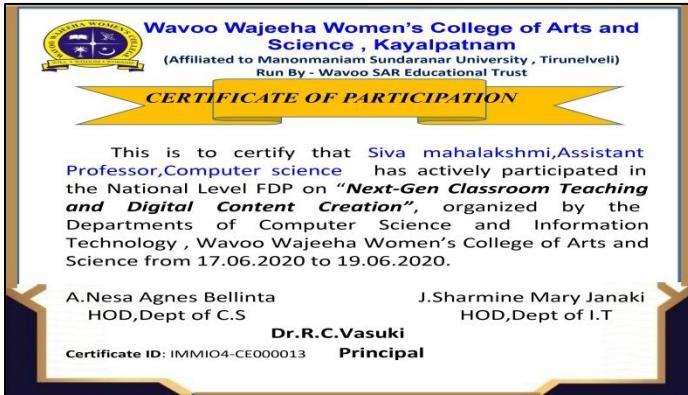
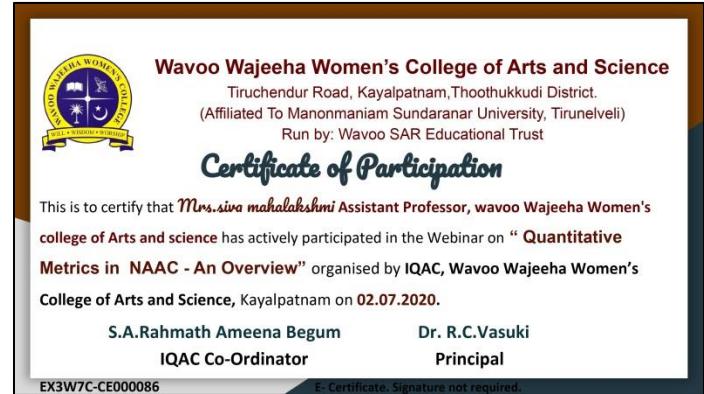
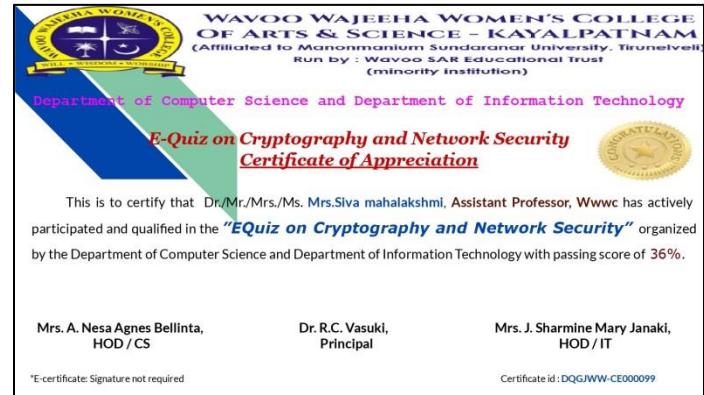
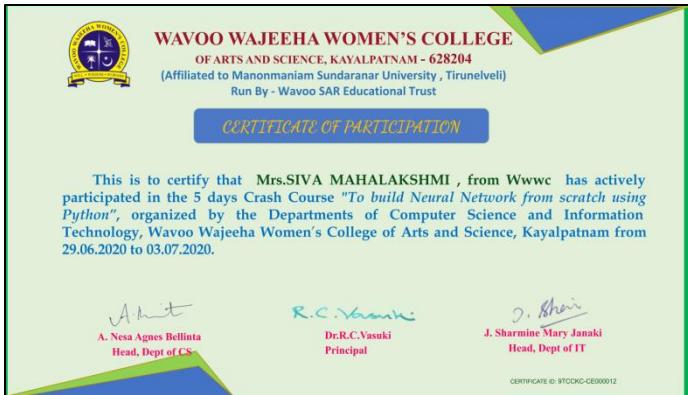
				Science, Kayalpatnam
16	Dr. Mrs. J. Kavitha	21 <sup>st</sup> Century Teaching Skills	18.03.2021	IQAC, Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam
17	Dr. Mrs. J. Kavitha	Machine Learning & Artificial Intelligence in Data Science	24.05.2021 to 02.06.2021	PACE Institute of Technology and Sciences, Ongole
18	Mrs.Siva Mahalakshmi	E-Quiz on Cryptography and Network Security	08.06.2020	Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam
19	Mrs.Siva Mahalakshmi	Next-Gen Classroom Teaching and Digital Content Creation	17.06.2020 to 19.06.2020	Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam
20	Mrs.Siva Mahalakshmi	Quantitative Metrics in NAAC - An Overview	02.07.2020	IQAC, Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam
21	Mrs.Siva Mahalakshmi	crash-course to Build Neural Networks from scratch using Python	29.06.2020 to 03.07.2020	Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam

22	Mrs.Siva Mahalakshmi	Born To Succeed	05.02.2021	ICT Academy, Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam
23	Mrs.Siva Mahalakshmi	21st Century Teaching Skills	18.03.2021	IQAC cell of Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam
24	Mrs.Siva Mahalakshmi	Machine Learning & Artificial Intelligence in Data Science	24.05.2021 to 02.06.2021	PACE Institute of Technology and Sciences, Ongole
25	V.P. Kowsalya	Machine Learning & Artificial Intelligence in Data Science	24.05.2021 to 02.06.2021	PACE Institute of Technology and Sciences, Ongole

## Staff Activity – E-Certificates







## **Paper Presented by Staff**

S.No	Name of the Staff	Title	Name of the Activity	Venue & Date (dd-mm-yyyy)	Evidence
1	Mrs. A. Nesa Agnes Bellinta	A Survey on Various Deep Learning Strategies for Autonomous Driving	International Conference	A.P.C. Mahalakshmi College for Women, Thoothukudi & 9 <sup>th</sup> April 2021	Certificate
2	Dr. Mrs. J. Kavitha	A Survey on Various Deep Learning Strategies for Autonomous Driving	International Conference	A.P.C. Mahalakshmi College for Women, Thoothukudi & 9 <sup>th</sup> April 2021	Certificate

## **Annexure VI**

### **Student Activities**

S. No	Name of the student	Class	Programme	Venue & Date	Evidence
1.	R. Ranjitha	III - CS	Artificial Intelligence with Python	Postulate Institute of Research and Technology & 17.05.2021 – 18.05.2021	Certificate
2.	R. Ranjitha	III - CS	English Essay Writing	Aditanar College of Arts and Science, Tiruchendur & 15.07.2021	Certificate
3.	R. Ranjitha	III - CS	Born to Succeed	Wavoo Wajeeha Women's College of Arts	Certificate

				and Science, Kayalpatnam & 05.02.2021	
4.	R. Ranjitha	III - CS	Tech Quiz	Govindammal Aditanar College for Women, Tiruchendur & 27.10.2020 and 28.10.2020	Certificate
5.	R. Ranjitha	III - CS	Programming in C	The Madurai Diraviyam Thayumanavar Hindu College & 26.06.2020	Certificate
6.	R. Ranjitha	III - CS	Math Learning Zone- Quiz	Sarah Tucker College & Jun 2020	Certificate
7.	R. Ranjitha	III - CS	E-Quiz on Library Science	Wavoo Wajeeha Women's College of Arts and Science & 24.06.2020 to 26.06.2020	Certificate
8.	R. Ranjitha	III - CS	Basics of Programming Language(C,C++,Java with SQL and HTML)	Velammal Engineering College & 16.06.2020 to 20.06.2020	Certificate
9.	R. Ranjitha	III - CS	E-Quiz on Digital Literacy	Thiruvallur Arts and Science College & 18.06.2020 to 22.06.2020	Certificate
10.	R. Ranjitha	III - CS	Right Approach to Technical Studies	St. Peter's College of Engineering and Technology & 13.06.2020	Certificate
11.	R. Ranjitha	III - CS	Online Quiz on Bio Diversity	St. Alphonsa College of Arts and Science & Sarah Tucker College & 05.06.2020	Certificate
12.	R. Ranjitha	III - CS	Mobile App Development	Velammal Engineering College & 04.06.2020 to 09.06.2020	Certificate
13.	R. Ranjitha	III - CS	Microsoft Office(Basic to Advance)	Velammal Engineering College & 25.05.2020 to 30.05.2020	Certificate

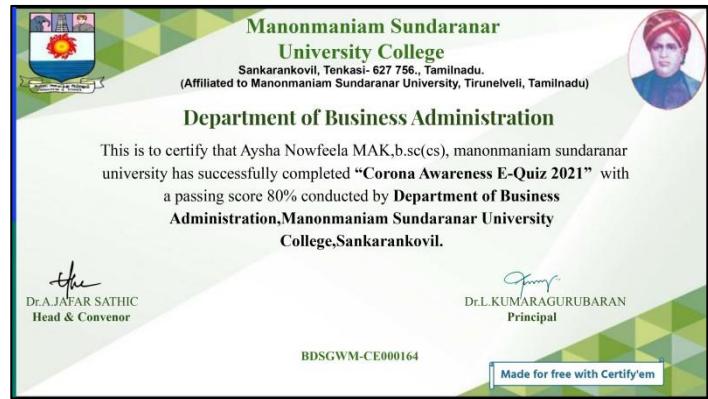
14.	R. Ranjitha	III - CS	Computers for Digital Era	Aditanar College of Arts and Science, Tiruchendur & 29.05.2020	Certificate
15.	S. Sithi Balkis Safrin	II - CS	Career Opportunities in Python and It's Applications	Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam & 28.08.2021	Certificate
16.	S. Sithi Balkis Safrin	II - CS	PCAP: Programming Essential's in Python	OpenEDG Python Institute & 14.06.2021	Certificate
17.	S. Sithi Balkis Safrin	II - CS	Holy Revelations and Traditions of Prophet(Sal)	Hajee Karutha Rowther Howdia College, Uthamapalayam & 11.06.2020	Certificate
18.	S. Sithi Balkis Safrin	II - CS	Youth Awakening Day	Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam & 15.10.2020	Certificate
19.	S. Sithi Balkis Safrin	II - CS	Islamic Online Quiz	United Friends Social Welfare Trust & 06.12.2020	Certificate
20.	S. Sithi Balkis Safrin	II - CS	Online Quiz on Holy Revelations	Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam & 17.06.2020	Certificate
21.	S. Sithi Balkis Safrin	II - CS	Corona Awareness E-Quiz 2021	Manonmaniam Sundaranar University College, Sankarankovil & 26.04.2021	Certificate
22.	S. Sithi Balkis Safrin	II - CS	The Holy Quran	Online Islamic Education Centre & 11.06.2020	Certificate
23.	S. Sithi Balkis Safrin	II - CS	Born to Succeed	Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam & 05.02.2021	Certificate
24.	S. Sithi Balkis	II - CS	Initiating and Planning	Division of Continuing	Certificate

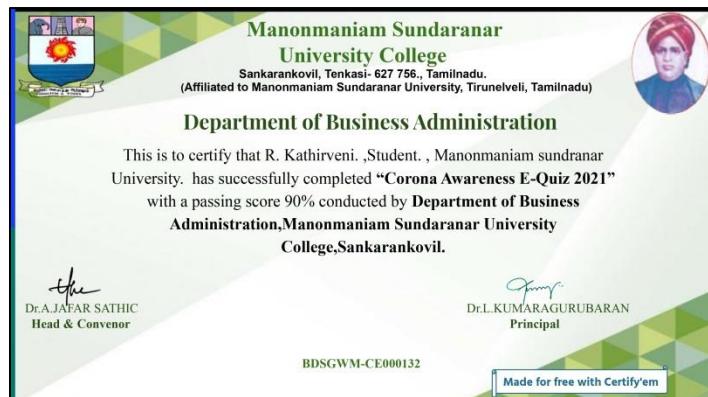
	Safrin		Projects	Education & 05.08.2021	
25.	S. Sithi Balkis Safrin	II - CS	Arabic Grammar E-Quiz	Justice Basheer Ahmed Sayeed College for Women & 25.06.2020	Certificate
26.	S. Sithi Balkis Safrin	II - CS	Arabic Word Quiz	Islamiah college (Autonomous)Vaniyambadi-2 & 11.06.2020	Certificate
27.	K. M. S. Aysha Hilmiya	I - CS	Corona Awareness E-Quiz 2021	Manonmaniam Sundaranar University College, Sankarankovil & 26.04.2021	Certificate
28.	M. A. K. Aysha Nowfeela	I - CS	Corona Awareness E-Quiz 2021	Manonmaniam Sundaranar University College, Sankarankovil & 26.04.2021	Certificate
29.	S. M. S. Umer Meera Afrah	I - CS	Corona Awareness E-Quiz 2021	Manonmaniam Sundaranar University College, Sankarankovil & 26.04.2021	Certificate
30.	R. Kathirveni	I - CS	Corona Awareness E-Quiz 2021	Manonmaniam Sundaranar University College, Sankarankovil & 26.04.2021	Certificate
31.	R. Kathirveni	I - CS	Born to Succeed	Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam & 05.02.2021	Certificate
32.	M. Gayathri	I - CS	Awareness about COVID-19 & Importance of Vaccination	Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam & 05.05.2021	Certificate
33.	M. Gayathri	I - CS	National Level Science Day Online EXPO and Contest-2021	Dr. Sivanthi Aditanar College of Engineering, Tiruchendur & 15.03.2021	Certificate
34.	M. Gayathri	I - CS	72 <sup>nd</sup> Republic Day	Aditanar College of Arts and Science, Tiruchendur	Certificate

			Celebration E-Quiz	& 26.01.2021	
35.	M. Gayathri	I - CS	Corona Awareness E-Quiz 2021	Manonmaniam Sundaranar University College, Sankarankovil & 26.04.2021	Certificate
36.	M. L. Seyed Zuhaina	I - CS	Android Mobile App Development	A. P. C. Mahalaxmi College for Women, Thoothukudi & 29.03.2021	Certificate
37.	M. L. Seyed Zuhaina	I - CS	Online Quiz	Govindammal Aditanar College for Women, Tiruchendur & 22.05.2021	Certificate
38.	M. L. Seyed Zuhaina	I - CS	Corona Awareness E-Quiz 2021	Manonmaniam Sundaranar University College, Sankarankovil & 26.04.2021	Certificate
39.	T. Fathima Fajeela Haseen	III - CS	Dare to win	ICT Academy, Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam & 10.06.2020	Certificate
40.	T. Fathima Fajeela Haseen	III - CS	Data Science and its Applications	ICT Academy, Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam & 10.06.2020	Certificate
41.	T. Fathima Fajeela Haseen	III - CS	Sky is not the Limit	ICT Academy, Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam & 04.06.2020	Certificate

# Students Activity – E-Certificates







## Annexure VII

### **2017-2020 Batch**

<b>S. No</b>	<b>Name</b>	<b>CGPA</b>	<b>Part III – Weighted Average</b>	<b>Rank</b>
1	T. Fathima Fajeela Haseen	8.92	84.92	4
2	N. K. M. Muthu Aysha Rifka	8.87	84.54	9
3	S. H. Fathima Nachi	8.85	84.23	11
4	M. I. Aysha Ameera	8.75	83.31	15
5	S. I. Fathima Nachi Rushdha	8.74	82.87	16

### **Conclusion:**

Thus the activities of our department lucratively came to an end with splendid accomplishment of our students and the dedication of our faculty members in imparting knowledge to the students.