



**CRITERIA-1  
CURRICULAR ASPECTS**

**1.2.1: Certificate Course – Summary Reports and Certificates**

2020-21

<b>Contents</b>		
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4	House hold wiring	Electronics
5	Video Editing	Mass communication
6	Detergent and Hand sanitizer making	Chemistry
7	Environmental chemistry	Chemistry
8	General fitness	Physical Education
9	Recreational Mathematics	Mathematics
10	Basics of Astronomy	Physics
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13	Advanced Programming In R	Statistics
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15	Certificate course in SPSS	Statistics
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18	Circuit Simulation and PCB designing	Electronics
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21	LED assembling and repairing	Electronics


## SUMMARY REPORT 2020-21

### DEPARTMENT OF ENGLISH

Certificate course on communicative skills in English was designed to help students to improve their communicative skills in English. Faculty members in the department served as the resource persons of the course. 30 sessions were conducted during the academic year. The course covered different aspects of communication and also provided special training for the students on English Grammar. The programme was successful in achieving the following outcome.

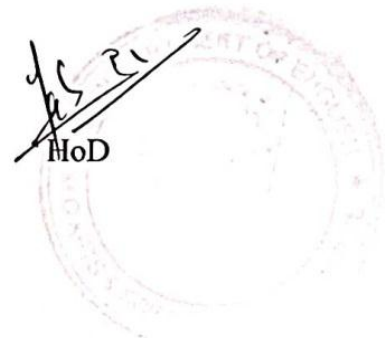
- o Improved communicative skills in English
- o Has given better understanding of English Grammar.
- o Improved reading comprehension and writing skill.
- o Gained confidence to speak in English.

62 students successfully benefited from the course, and certificates were given after the successful completion of the course.

  
Course co-ordinator

Muhsina V

Department of English





## WMO ARTS & SCIENCE COLLEGE, MUTTIL

Affiliated to University of Calicut.

Wayanad, Kerala, Pin:673122

[www.wmocollege.ac.in](http://www.wmocollege.ac.in)

# Certificate

This is to certify that ~~Dr/Mr/Ms/~~

ANJALA KRISHNA

has successfully completed the Certificate Course on

Communicative English

Conducted by the Department of

English

from 03/02/2021 to 14/03/2021

Muh  
Course Coordinator

Jai  
HoD

Principal





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# Certificate


This is to certify that ~~Dr/Mr/Ms/~~

ATHIRA P.B

has successfully completed the Certificate Course on  
Communicative English

Conducted by the Department of  
English

from 03/02/2021 ESTD. 1995 to 14/03/2021



Course Coordinator



HoD



Principal



**DEPARTMENT OF COMPUTER SCIENCE  
WMO ARTS & SCIENCE COLLEGE, MUTTIL**

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Affiliated to University of Calicut  
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P.O MUTTIL, WAYANAD, KERALA-673122

Phone-84956-283282 ( Office)  
84956-287532 ( Principal)  
E-mail: wmo@wmo.ac.in  
Website: www.wmo.ac.in

## **Certificate course on Hardware assembling and software Installation**

**Academic Year :2020-2021**

**Number of Hours:30**

**Course coordinator: Johnson A J**

### *Summary Report*

The course syllabus included the network basics ,topology concepts,various networking devices etc.74 students completed the course.The feedback collected from students remarked the knowledge benefitted from the topics.

### **Course outcomes**

- **Understanding of Computer Hardware:** Students should develop a comprehensive understanding of the various components that make up a computer system, including the central processing unit (CPU), memory, storage devices, input/output devices, and motherboard.
- **Assembly and Disassembly of Computer Systems:** Students should gain practical skills in assembling and disassembling computer systems, including installing and connecting hardware components such as the CPU, memory modules, hard drives, graphics cards, power supply units, and peripherals.
- **Troubleshooting and Maintenance:** Students should learn techniques for troubleshooting hardware issues and diagnosing problems in computer systems. This may involve identifying faulty components, understanding common hardware errors, and implementing maintenance practices to keep computer systems running smoothly.
- **Knowledge of Computer Architecture:** Students should acquire knowledge of computer architecture principles, including understanding the interaction between hardware and software, memory management, instruction execution, and data flow within a computer system.

Course coordinator:

*Johnson - A J*

Head Of The Department:

**SUMA. N.**  
ASSO. PROFESSOR  
Dept. of Computer Science  
WMO, Arts & Science College  
Muttill. P.O., Wayanad - 673 122





# WMO ARTS & SCIENCE COLLEGE, MUTTIL

Affiliated to University of Calicut, Wayanad, Kerala, Pin:673122- www.wmocollege.ac.in

## CERTIFICATE

This is to certify that Mr./Ms.

*Abdul Samad M.J*

has successfully completed the Certificate course on

*Hardware assembling and Installation*

Conducted by the Department of

*Computer Science*

From *10/1/2021* to *11/2/2021*

Course Coordinator



HOD

Principal  
W.M.O. Arts & Science College  
Muttill P.O., Wayanad



PG Department of Commerce  
**WMO Arts & Science College, Muttill**

*"education and some more"*

**Affiliated to University of Calicut  
(Aided by Govt. of Kerala)**

**P.O. MUTTIL, WAYANAD, KERALA - 673122**

**Phone : 04936-203382 (Office)  
04936-207532 (Principal)**

e-mail: iqacpgdcom@gmail.com

website: www.wmocollge.ac.in

**Certificate Programme on E-Banking**

**Summary Report**

**Academic year – 2020-2021**

**Number of Hours: 30**

**Course Co-ordinator: Fousiya.P**

Certificate on Digital Banking was designed to help the students to access banking service on the web. Participants learned to login into their bank account and do various financial activities over internet. Students are able to identify and prevent various fraudulent activities arising in the digital world.

The course was conducted from 06/01/2021 to 30/04/2021. The faculty members in the department of commerce served as resource person. All sessions were conducted using the online platform Google Meet, as a part of the activities of the commerce club. Twenty-eight students – who successfully completed the course, were given certificates. The students got practical experience on various E-banking transactions and all the participants became able to apply electronic banking facilities to real-life situations.

Class time: 3.30 to 5 (Online)

Online 1 Hour session

**Course Outcome**

- It provides basic knowledge about digital banking facilities
- It provides knowledge about the use of various digital banking services
- Students are able to apply Electronic banking facilities to real-life situations

**Course Co-ordinator**

**Fousiya.P**

**Head**

**PG Department Commerce**





PG Department of Commerce  
WMO Arts & Science College, Muttill

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www.wmocollege.ac.in

# Certificate

This is to certify that Dr/Mr/Ms/  
*Arshamly PH*

has successfully completed the Certificate Course on  
*Digital Banking*

Conducted by the Department of  
*PG Department of Commerce*

from *06-01-2021* to *30-04-2021*

*[Signature]*  
Course Coordinator

*[Signature]*  
HoD

*[Signature]*  
Principal



PG Department of Commerce  
WMO Arts & Science College, Muttill

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Wayanad, Kerala, Pin:673122

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# Certificate

This is to certify that Dr/Mr/Ms/

*Kanthik Krishna VM*

has successfully completed the Certificate Course on

*Digital Banking*

Conducted by the Department of

*PG Department of Commerce*

from *06-01-2021* to *30-04-2021*

*[Signature]*  
Course Coordinator

*[Signature]*  
HoD

*[Signature]*  
Principal



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P.O. MUTTIL, WAYANAD, KERALA - 673122

E-mail : [wmocollege@gmail.com](mailto:wmocollege@gmail.com)  
website: [WWW.wmo college.ac.in](http://WWW.wmo college.ac.in)

## Certificate course on House wiring Techniques

### Summary Report

Academic year: 2020-21

No of Hours 30 hrs

Course Coordinator: Abdul Rasheed

The Department of Electronics offered a certificate course on House wiring techniques from 6<sup>th</sup> January 2021 to 27<sup>th</sup> January 2021. The 30-hour course, co-ordinated by Abdul Rasheed, Assistant Professor, attracted a total of 20 participants from BSc Electronics. The course provided a basic understanding of Electrical wiring and equipment's handling techniques and practical skills in Maintenance of electrical wiring problems in the normal life. Participants gained valuable knowledge in house wiring and safety measures on single phase electrical wiring. Overall, the course successfully equipped the 20 participants with essential ideas and awareness on the electrical wiring and precautions on electrical wiring and maintenance.

The twenty students Participated actively and completed all the activities related to the course were given certificates.

Course coordinator : Abdul Rasheed

Head Of the Department : Siby Joseph

Siby Joseph  
Associate Professor/HOD  
Department of Electronics  
WMO Arts & Science College  
Muttill P.O., Wayanad - 673122





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## Certificate

This is to certify that Dr/Mr/Ms/

*Gokul. Krishna*

has successfully completed the Certificate Course on

*Household. Wiring*

Conducted by the Department of

*Electronics*

from ..06:01:21.. ESTD. 1995 to ...27:01:21.....

  
Course Coordinator

  
HoD

  
Principal





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## Certificate

This is to certify that Dr/Mr/Ms/

*Sahithya. P.*

has successfully completed the Certificate Course on

*Household Wiring.*

Conducted by the Department of

*Electronics*

from ...06.01.21... ESTD. 1995 to ...27.01.21...

Course Coordinator

HoD

Principal



# DEPARTMENT OF MASS COMMUNICATION AND JOURNALISM

WMO Arts & Science College

“Education and some more”

Affiliated to University of Calicut

(Aided by Govt. of Kerala)

P.O. Muttill, Wayanad, Kerala -673122

Email: [wmocollege@gmail.com](mailto:wmocollege@gmail.com) Website: [www.wmocollege.ac.in](http://www.wmocollege.ac.in)

04936-207532 (Principal)

Phone:04936-203382(office)

## ***Certificate Course 2020 -21***

### ***VIDEO EDITING***

#### **Summary Report of the course**

Academic year :2020-21

No. of Hours: 30

Course Coordinator: Aswin

Certificate course on Video Editing is conducted in the 2020-21 academic year Apart from theory , the certificate course is intended to give basic practical knowledge on video shooting and editing. Understanding the most modern camera and editing tools.

The course starts from 11th Jan 2021 to Feb 11 2021

*50 students actively participated in the program.*

#### **Course Outcome**

- Basic knowledge on Videography
- Understanding the Editing Software and Tools
- Practical idea on DSLR CAMERA WITH VIDEOGRAPHY 1080p
- Understanding Shot Scene and Scripting
- Song choreography and Visual element
- Arranging the shots and Visual composition

Greeshma John MJ  
Course Coordinator

Anu Ann Varghese  
Head of the Department



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DEPARTMENT OF MASS COMMUNICATION & JOURNALISM

# CERTIFICATE

OF APPRECIATION

PROUDLY PRESENTED TO

# VARSHA VINOD

Participated in **VIDEO EDITING** Certificate Course  
arranged by department of Mass Communication On  
**2020-21** academic year

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL



# WMO ARTS & SCIENCE COLLEGE , MUTTIL

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DEPARTMENT OF MASS COMMUNICATION & JOURNALISM

# CERTIFICATE

OF APPRECIATION

PROUDLY PRESENTED TO

# WASSIM JAFFER

Participated in **VIDEO EDITING** Certificate Course  
arranged by department of Mass Communication On  
**2020-21** academic year

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL





# WMO ARTS AND SCIENCE COLLEGE, MUTTIL

## DEPARTMENT OF CHEMISTRY

### CERTIFICATE COURSE ON

### DETERGENTS AND HAND SANITIZER MAKING

### SUMMARY REPORT

Academic year: 2020-21

No. of Hours: 30

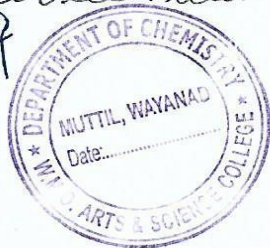
Course Co-ordinator: **Shahina P H**

Department of Chemistry of WMO Arts and Science College, Muttill conducted a certificate course on the topic "**Detergents and Hand sanitizer making**". The course started from 1<sup>st</sup> February 2021 to 3<sup>rd</sup> March 2021. 20 students participated in the programme. Shahina P H handled the session. The content of the course includes theory sessions on pharmaceutical chemistry and analytical chemistry and practical session on the process of making soap, detergents, hand wash and hand sanitizer. Participants have undergone the training with great enthusiasm. Finally, we evaluated the participants' using a practical test. All the participants have been granted certificates for the course.

#### Course Outcome

- Understand the role of chemistry in service of humanity
- Understand the manufacturing processes of soap, detergents, hand wash, and hand sanitizers
- Understand the principles of drug discovery and development, and pharmaceutical analytical techniques
- Analyze chemical samples using various analytical techniques
- Understand the importance of sustainability and quality control in chemical manufacturing and analysis.

Course Co-ordinator.



HEAD OF THE DEPARTMENT  
Dept. of Chemistry  
W.M.O. Arts & Science College  
Muttill, P.O., Wayanad, Kerala - 673 122



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## Certificate

This is to certify that Dr/Mr/Ms/

FATHIMA JABIN

has successfully completed the Certificate Course on

DETERGENTS AND HAND SANITIZER MAKING

Conducted by the Department of  
CHEMISTRY

from ..... 01-02-2021 ESTD. 1995 to ..... 09-03-2021

Course Coordinator

HoD

Principal





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[www.wmocollege.ac.in](http://www.wmocollege.ac.in)

## Certificate

This is to certify that Dr/Mr/Ms/

MUHAMMED SAJAD T K

has successfully completed the Certificate Course on

Detergents And Hand Sanitizer Making

Conducted by the Department of

Chemistry

from 01-02-2021 to 09-03-2021

Course Coordinator

HoD

Principal



## WMO ARTS AND SCIENCE COLLEGE, MUTTIL

DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE ON

ENVIRONMENTAL CHEMISTRY

SUMMARY REPORT

Academic year: 2020-21

No. of Hours: 30

Course Co-ordinator: **Dr. Thomas Thevara**

Department of Chemistry of WMO Arts and Science College, Muttill conducted a certificate course on the topic "**Environmental Chemistry**". The course started from 1<sup>st</sup> January 2021 to 9<sup>th</sup> February 2021. 30 students participated in the programme. Dr. Thomas Thevara handled the session. All the participants have been granted certificates for the course. The content of the course includes Introduction to Environmental Chemistry, Sources and Types of Environmental Pollution, Analytical Techniques in Environmental Chemistry, Global Environmental Issues, Environmental Regulations and Policies. All the participants have been granted certificates for the course.

### Course Outcome

- Understand the chemistry of natural and anthropogenic compounds in the environment.
- Analyze environmental samples and interpret the results.
- Identify sources of environmental pollution and evaluate their impact on the environment.
- Identify various global environmental issues and impacts.
- Evaluate environmental policies and regulations and propose solutions to environmental problems.

Course Co-ordinator.



HEAD OF THE DEPARTMENT  
Dept. of Chemistry  
W.M.O. Arts & Science College  
Muttill, P.O., Wayanad, Kerala - 673 122





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## Certificate

This is to certify that Dr/Mr/Ms/

ANUPRIYA V

has successfully completed the Certificate Course on

Environmental Chemistry

Conducted by the Department of

Chemistry

from 01/01/2021 to 09/02/2021

Course Coordinator

HoD

Principal



# WMO ARTS & SCIENCE COLLEGE, MUTTIL

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Wayanad, Kerala, Pin:673122

[www.wmocollege.ac.in](http://www.wmocollege.ac.in)

## Certificate

This is to certify that *Dr/Mr/Ms/*

*Amal AmJATH*

*has successfully completed the Certificate Course on*



*Environmental Chemistry*

*Conducted by the Department of*

*Chemistry*

*from 01/01/2021 to 09/02/2021*

  
Course Coordinator

   
HoD Principal





**W M O ARTS AND SCIENCE COLLEGE**

**DEPARTMENT OF PHYSICAL EDUCATION**

**REPORT OF ADD ON COURSE IN GENERAL FITNESS**

Department of Physical Education of WMO Arts and Science College, Muttill conducted a certificate course on General Fitness the course started from 4th January 2021 to 29th January 2021, 30 students participated in the programme. Mr. Suhaile P H handled the session. All the participants have been granted certificates for the course. The content of the course includes 80% practical activities for developing the health related physical fitness such as push ups, core exercises pull ups etc....Participants have undergone the training with great enthusiasm. They have successfully completed the general physical training during the stipulated period of 20 days. Finally, we evaluated the participants' using a practical test. 30 students, who successfully completed the course, were given certificates.



**ABHIN KUMAR. K.R**  
Associate Professor  
Dept. of Physical Education  
W.M.O. Arts & Science College  
Muttill P.O, Wayanad-673 120



CERTIFICATES



**WMO ARTS & SCIENCE COLLEGE, MUTTIL**

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# Certificate

This is to certify that Dr/Mr/Ms/

**SODRAJ**

has successfully completed the Certificate Course on

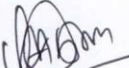
**GENERAL FITNESS**

Conducted by the Department of

**PHYSICAL EDUCATION**

from **04/01/2021** to **29/01/2021**

  
Course Coordinator

  
HoD

  
Principal



## WMO ARTS & SCIENCE COLLEGE, MUTTIL

Affiliated to University of Calicut.

Wayanad, Kerala, Pin:673122

www.wmocollege.ac.in

# Certificate

This is to certify that Dr/Mr/Ms/

**ARTUN KRISHNA**

has successfully completed the Certificate Course on

**GENERAL FITNESS**

Conducted by the Department of

**PHYSICAL EDUCATION**

from **04/01/2021** to **29/01/2021**

Course Coordinator

HoD

Principal





**DEPARTMENT OF MATHEMATICS  
WMO ARTS & SCIENCE COLLEGE**

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website: [WWW.wmocollege.ac.in](http://WWW.wmocollege.ac.in)



**Certificate Course on Recreational Mathematics (WMMAT1)**

**Summary report**

**Academic year :2020-21**

**No. of Hours : 30**

**Course Co-ordinator : Mini C**

Certificate Course on Recreational Mathematics(CCRM01) was designed to help students, to use recreational mathematics in their activities in meaningful and worthwhile ways. Participants learned to appreciate what is available within the world of recreational mathematics. They understand how this can capture the interest and motivation of people who find mathematics dull and uninteresting. The course was conducted from 4-1-2021 to 30-4 2021. Faculty members in the Department of Mathematics served as resource persons. Ten sessions were conducted using the online platform Google Meet as part of activities of the Mathematical Circle. All student participants in the course presented some mathematical ideas related to the syllabus of the course. Ten sessions were conducted offline at II BSc Mathematics classroom in which students got practical experience on various puzzles and models in Mathematics. Seventy-five students, who successfully completed the course, were given certificates.

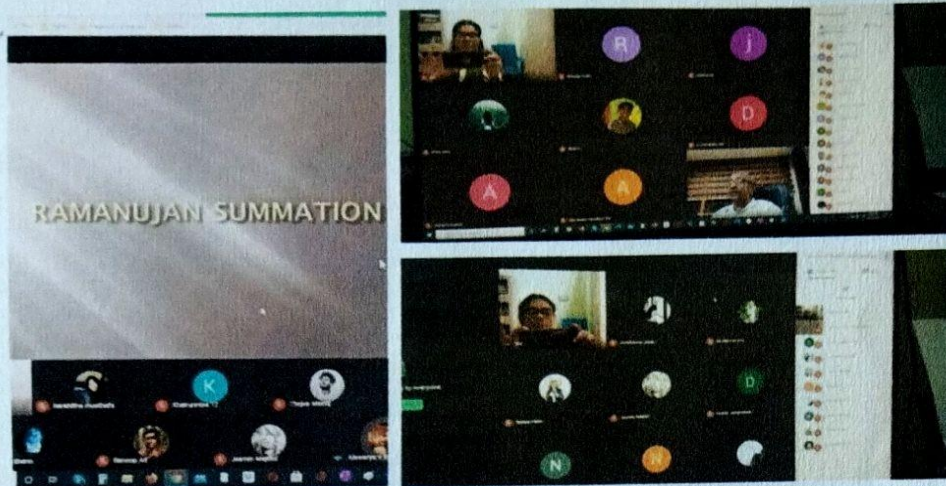
**Course outcomes:**

- Students could enjoy doing mathematics after exposing to several recreational type activities.
- Students became able to communicate math with non-mathematical audiences.
- Creative thinking and logical reasoning are developed.
- Students learned to appreciate others for their achievements.
- Students became able to apply mathematics to real-life problems.
- 

**Students' presentation as part of course delivery**

As part of imparting Certificate Course on Recreational Mathematics, student presentations were conducted through Google Meet. The talks were on exploratory topics in mathematics.





group  
**Giza**  
presents

# MATHEMATICAL CIRCLE

on 9/4/2021  
7.30pm

Platform  
**GOOGLE MEET**

Muhammad Jesal Lubna  
CA, Nabeel C P, Soumya  
S. Aleeshma MV  
Rinshana  
Misri, Muhseena K.T.P

Team **MATINS**  
MATHEMATICAL CIRCLE

Platform: Google meet

Date 20.3.21  
Time 7:30pm

Irfan Ashraf p, Muhammad Labeeb  
Rifaq Reslin, Aiswarya AN, Hasna TH  
Farhana Sherin, Shamma V.A

**W M O COLLEGE**  
MUTTIL, KALPETTA, WAYANAD

Dept. of Mathematics 2021  
1st Semester **MATH TREATS**  
presents

## MATHEMATICAL CIRCLE

on  
18/02/2021  
**THURSDAY**  
@  
**7:30 PM**  
Google meet

**DEPARTMENT OF MATHEMATICS**  
**WMO ARTS AND SCIENCE COLLEGE**  
MUTTIL, WAYANAD

## MATHS NINJAS

presents

## MATHEMATICAL CIRCLE

on  
26/02/2021  
**Friday at 7:30 pm**  
Google Meet

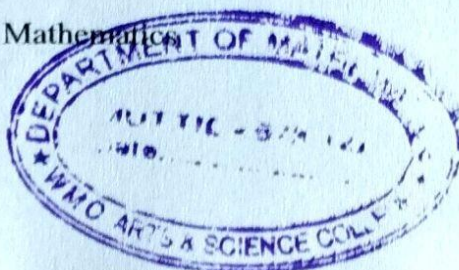
Course Co-ordinator : Mini C

Assistant Professor

Department of Mathematics

Head

Dept. of Mathematics



**Dr. VIJI PAUL**  
Associate Professor & Head  
Department of Mathematics  
W.M.O Arts & Science College  
Muttill P.O, Wayanad - 673 122





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## Certificate

*This is to certify that Dr/Mr/Ms/*

**MISHBA SHERIN**

*has successfully completed the Certificate Course on*

**RECREATIONAL MATHEMATICS**

*Conducted by the Department of*

**MATHEMATICS**

*from ... 04-01-2021 ... ESTD. 1995 ... to 30-04-2021 ...*

  
Course Coordinator

  
HoD

  
Principal



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[www.wmocollege.ac.in](http://www.wmocollege.ac.in)

## Certificate

*This is to certify that Dr/Mr/Ms/*

**VISHAKH T.R**

*has successfully completed the Certificate Course on*

**RECREATIONAL MATHEMATICS**

*Conducted by the Department of*

**MATHEMATICS**

*from ..04-01-2021* ESTD. 1995 *to 30-04-2021*

  
Course Coordinator

  
HoD

  
Principal





**DEPARTMENT OF PHYSICS**  
**WMO ARTS & SCIENCE COLLEGE**

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**04936-207532 (Principal)**

e-mail : [wmocollege@gmail.com](mailto:wmocollege@gmail.com)

website: [WWW.wmocollege.ac.in](http://WWW.wmocollege.ac.in)

**Certificate Course on Basics of Astronomy.**

**Summary report**

**Academic year :2020-21**


**No. of Hours : 37**

**Course Co-Ordinator: Dr. Biju KG**

Certificate Course on Basics of Astronomy (WMPHY2) was designed as a 37-hour certificate course. The course was conducted from 15/01/2021 to 06/03/2021 through offline mode and conducted a written examination at the end of the course. Sixteen students registered and successfully completed the course. The course involves studying the vastness of the Universe, the complexity of galaxies, and the incredible distances between celestial objects. The study of astronomy requires a high level of attention to detail, critical thinking, and problem-solving skills. These skills can be transferable to other areas of life and work and can help individuals become more responsible in their personal and professional lives.

**Course outcomes:**

- Students learn the star constellations, eclipses etc.
- They became capable of identifying the various celestial objects in the night sky.
- They learn how to mark the positions of celestial objects.
- They learn the structure of the sun and the solar system.
- They learn about the formation and evolution of stars and Galaxies.
- They learn the major theories about the Universe.
- It will enable the students to think critically and develop problem-solving skills.
- Knowledge of astronomy can help them to see the Universe in a whole new light and can help to become humbler and more appreciative of their place in the Universe.

Course Co-ordinator : Dr. Biju KG 

Associate Professor

Department of Physics

Head 

Dept. of Physics

**HEAD OF THE DEPARTMENT**  
Dept. of Physics  
W.M.O. Arts & Science College  
Muttil. P.O., Wayanad, Kerala - 673 122







# WMO ARTS & SCIENCE COLLEGE, MUTTIL

Affiliated to University of Calicut.  
Wayanad, Kerala, Pin:673122  
www.wmocollege.ac.in

## Certificate

This is to certify that *Dr/Mr/Ms/*

*NEETHU. V.K*

*has successfully completed the Certificate Course on*

*BASICS OF ASTRONOMY*

*Conducted by the Department of*

*PHYSICS*

*from 15/01/2021 to 06/3/2021*

Course Coordinator

HoD

Principal







## WMO ARTS & SCIENCE COLLEGE, MUTTIL

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# Certificate

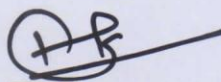
This is to certify that ~~Dr~~/Mr/Ms/  
ALAKADAS. G


has successfully completed the Certificate Course on  
BASICS OF ASTRONOMY

Conducted by the Department of  
PHYSICS

from ..... 15/01/2021 ESTD 1995 to ..... 06/03/2021.....

  
Course Coordinator

  
HoD

  
Principal







**DEPARTMENT OF PHYSICS**  
**WMO ARTS & SCIENCE COLLEGE**

*"education and some more"*

Affiliated to University of Calicut  
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P.O. MUTTIL, WAYANAD, KERALA - 673122

Phone : 04936-203382 (Office)  
04936-207532 (Principal)

e-mail : [wmocollege@gmail.com](mailto:wmocollege@gmail.com)

website: [WWW.wmocollege.ac.in](http://WWW.wmocollege.ac.in)

**Certificate Course on Non-Conventional Energy sources.**

**Summary report**

**Academic year :2020-21**

**No. of Hours : 30**

**Course Co-ordinator : Dr. Biju KG**

Certificate Course on Non-Conventional Energy Sources (WMPHY1) was designed as a 30-hour certificate course. The course was conducted from 2/02/2021 to 22/05/2021 through offline mode, and conducted a written examination at the end of the course. Twenty-five students registered and successfully completed the course. The use of non-conventional energy sources promotes sustainable development by reducing the reliance on fossil fuels and minimizing the carbon footprint. A certificate course can equip individuals with the knowledge and skills to promote and implement sustainable development practices.

**Course outcomes:**

- Students learn the various types of Non-Conventional Energy sources.
- They understand the need to shift from conventional energy sources to Non-Conventional Energy sources.
- They learn the different techniques for converting energy from Wind, Ocean, Sun etc., to other usable forms.
- They acquired a vision of global citizenship by understanding the problems caused by the continuous and consistent use of fossil fuels. They also learned the importance of working together for a green earth.

Course Co-ordinator Dr. Biju KG

Associate Professor

Department of Physics

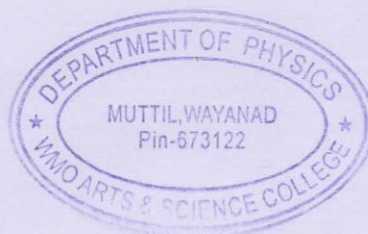
Head

Dept. of Physics

**HEAD OF THE DEPARTMENT**

Dept. of Physics

W.M.O. Arts & Science College  
Muttil. P.O., Wayanad, Kerala - 673 122







# WMO ARTS & SCIENCE COLLEGE, MUTTIL

Affiliated to University of Calicut.

Wayanad, Kerala, Pin:673122

www.wmocollege.ac.in

## Certificate

This is to certify that Dr/Mr/Ms/

ADHIL MUHAMMED I K.

has successfully completed the Certificate Course on

NON CONVENTIONAL ENERGY SOURCES

Conducted by the Department of

PHYSICS

from 02/02/2021 to 22/05/2021

Course Coordinator

HoD

Principal







# WMO ARTS & SCIENCE COLLEGE, MUTTIL

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Wayanad, Kerala, Pin:673122  
www.wmocollege.ac.in

## Certificate

This is to certify that Dr/Mr/Ms/

AMRUTHA RAJAN


has successfully completed the Certificate Course on

NON CONVENTIONAL ENERGY SOURCES


Conducted by the Department of

PHYSICS

from 02/02/2021<sup>ESTD. 1995</sup> to 22/05/21

  
Course Coordinator

  
HoD

  
Principal





**DEPARTMENT OF ECONOMICS  
WMO ARTS & SCIENCE COLLEGE**

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website: [WWW.wmocollege.ac.in](http://WWW.wmocollege.ac.in)



**CERTIFICATE COURSE – REPORT 2020-21**

Department of Economics of WMO Arts and Science College, Muttill conducted a certificate course on the topic "**Statistical Data Processing and Analysis Using Software**". The course started from **17<sup>th</sup> August 2020 to 4<sup>th</sup> September 2020**. Almost **40 students** participated in the programme. Mr. Shakeelul Rahman APC and Ms. Athira Jose handled the session. The content of the course includes the study of basic statistical tools using MS Office Spreadsheet. Participants have undergone the training with great enthusiasm. They have successfully completed the online training during the stipulated period of 15 days. Finally, we have evaluated the participants using an online practical test. Most of them performed well in the same. **35 participants** have fully benefited from this course and they have been issued certificates also.

co-ordinator

**HEAD OF THE DEPARTMENT**  
Dept. of Economics  
W.M.O. Arts & Science College  
Muttill, P.O., Wayanad, Kerala - 673 122





**DEPARTMENT OF ECONOMICS**  
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# Certificate

This is to certify that Dr/Mr/Ms/

RATISHA C


has successfully completed the Certificate Course on

STATISTICAL DATA PROCESSING AND  
ANALYSIS USING SOFTWARE

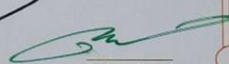
Conducted by the Department of

ECONOMICS

from 1<sup>st</sup> AUGUST 2020 to 4<sup>th</sup> SEPTEMBER 2020

  
Course Coordinator

  
HoD

  
Principal



**DEPARTMENT OF ECONOMICS**  
**WMO ARTS & SCIENCE COLLEGE**

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website: [WWW.wmocollege.ac.in](http://WWW.wmocollege.ac.in)







**DEPARTMENT OF STATISTICS  
WMO ARTS & SCIENCE COLLEGE**

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website: [WWW.wmocollege.ac.in](http://WWW.wmocollege.ac.in)

## Certificate Course Programming in R

### Summary report

**Academic year :2020-21**

**No. of Hours : 30**

**Course Co-ordinator: Dr.Raju N**

Department of statistics, WMO Arts and Science College, Muttill has successfully conducted a certificate course on "Programming in R ".The course started from 1<sup>st</sup> February 2021 and ended on 19<sup>th</sup> February 2021.The 30 hours short-term course consists of a package of data analysis with the software R. It consists of introduction to probability, inferential statistics, and linear regression and modeling.There are 14 participants in the course. Dr.Raju N, led the session with the help of faculties from the Department of Statistics.All successfully completed the short-term programme. After an evaluation test, participants had been awarded certificates.

#### Course outcomes:

- Students will learn skills in programming with R
- Students will be acquainted with the concepts of probability theory
- Students will be able to make out the basics of sampling methods.
- Creative thinking and logical reasoning will be developed
- Students learn to familiarize data analytics

Course Coordinator : Dr.Raju N

Department of Statistics

Head of Department

**HEAD OF THE DEPARTMENT**  
Dept. of Statistics  
W.M.O. Arts & Science College  
Muttill P.O., Wayanad, Kerala - 673 122



**DEPARTMENT OF STATISTICS**  
**WMO ARTS & SCIENCE COLLEGE**

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[www.wmocollege.ac.in](http://www.wmocollege.ac.in)

# Certificate

This is to certify that Dr/Mr/Ms/

*A.suathy. krishna*

has successfully completed the Certificate Course on

*PROGRAMMING IN R*

Conducted by the Department of

*STATISTICS*

from *01/02/2021* to *12/02/2021*

*Ncapin*  
Course Coordinator

*SH*  
HoD

*[Signature]*  
Principal





**DEPARTMENT OF STATISTICS**  
**WMO ARTS & SCIENCE COLLEGE**

*"education and some more"*

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Wayanad, Kerala, Pin:673122  
[www.wmocollege.ac.in](http://www.wmocollege.ac.in)

# Certificate

This is to certify that Dr/Mr/Ms/

*Sneha Joseph*

has successfully completed the Certificate Course on

*PROGRAMMING IN R*

Conducted by the Department of

*STATISTICS*

from *01/02/2021* to *17/02/2021*

*Ncaim*

Course Coordinator

*D. MIN PTC*  
HoD

*[Signature]*  
Principal



**DEPARTMENT OF COMMERCE**  
(COMPUTER APPLICATION)  
**WMO ARTS & SCIENCE COLLEGE**

*"education and some more"*

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website: [WWW.wmocollege.ac.in](http://WWW.wmocollege.ac.in)

**Report on Certificate Course**

**Tally**

**Academic Year: 2020-2021**

This course benefited the students as Tally is one of the most widely used and necessary software packages on the market today. This course was helping the students with a professional boost in the accounting field. Around 12 students benefitted from the course and all of them received their course completion certificate.

Praveen Mathew

**HOD**  
DEPARTMENT OF COMMERCE  
(Computer Application)  
WMO Art & Science College  
Muttil



Praveen Mathew



# Certificate of Merit



Student Name: *Amal Kumar*

Course: *Essential Tally*

Level: *1*

Grade: *B: Good*

Teacher: *A. Pradeep*

Grade: *10*  
Date: *10/10/2020*

Authentic Signature  
**SSI**



# Certificate of Merit



Shirley Karpas Trust ..... J. Nichols ..... P. Farhima  
This Successfully Completed at Fresno Ca. Tally ..... Essential  
Level - 1 .....  
All Subjects the ..... Association with ..... W.M.O.C. - B. Com - CA  
the the the Obtained ..... A ..... grade

One Shipping  
Address  
Escorted  
Address  
Address  
Address  
Address  
Address

Authorized Signatory







**DEPARTMENT OF STATISTICS  
WMO ARTS & SCIENCE COLLEGE**

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e-mail : [wmocollege@gmail.com](mailto:wmocollege@gmail.com)  
website: [WWW.wmocollege.ac.in](http://WWW.wmocollege.ac.in)

**Certificate Course on Statistical Package for Social Sciences (SPSS)**

**Summary report**

**Academic year :2020-21**

**No. of Hours : 30**

**Course Co-ordinator: Dr.Raju N**

Department of Statistics of WMO Arts and Science College, Muttill conducted a certificate course on the topic "Statistical Package for Social Sciences (SPSS)". The course started from 4<sup>th</sup> January 2021 to 22<sup>nd</sup> January 2021, 16 students participated in the programme. Ms. Athira Jose handled the session. All the participants have been granted certificates for the course. The content of the course includes the study of doing descriptive statistics, bivariate statistics, outcome prediction, etc. using SPSS. Participants have undergone the training with great enthusiasm. They have successfully completed the training during the stipulated period of 15 days. Finally, we evaluated the participants' using a practical test. 16 students, who successfully completed the course, were given certificates.

**Course outcomes:**

- Students will learn skills in programming with SPSS
- Students will be able to do quantitative analysis using data in SPSS
- Students will be able to do prediction using linear regression and other methods
- Critical thinking and logical reasoning of students will be developed

Course co-ordinator

Dr.Raju N

Head of Department

**HEAD OF THE DEPARTMENT**  
Dept. of Statistics  
W.M.O. Arts & Science College  
Muttill P.O., Wayanad, Kerala - 673 122



**DEPARTMENT OF STATISTICS**  
**WMO ARTS & SCIENCE COLLEGE**

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Wayanad, Kerala, Pin:673122  
[www.wmocollege.ac.in](http://www.wmocollege.ac.in)

# Certificate

This is to certify that Dr/Mr/Ms/

*Ahsana Fathima*

has successfully completed the Certificate Course on

*Statistical Packages for  
Social Sciences (SPSS)*

Conducted by the Department of

**STATISTICS**

from *04/01/2021* to *22/01/2021*

*N. C. S. J.*  
Course Coordinator

*Dr. M. N. I. C.*  
HoD

*[Signature]*  
Principal





DEPARTMENT OF STATISTICS  
WMO ARTS & SCIENCE COLLEGE

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Wayanad, Kerala, Pin:673122  
[www.wmocollege.ac.in](http://www.wmocollege.ac.in)

# Certificate

This is to certify that Dr/Mr/Ms/

*Fasna T*

has successfully completed the Certificate Course on

*Statistical packages for*

*Social Sciences (SPSS)*

Conducted by the Department of

*STATISTICS*

from *24/01/2021* to *22/05/2021*

*Ncapin*  
Course Coordinator

*Dr MINI TC*  
HoD

*[Signature]*  
Principal



"Education and some more"

**Dr. Najmuddeen P.**, M.Phil, Ph.D.  
Assistant Professor & Head,  
Research Guide, R.U.A College, Farook,  
University of Calicut  
9947786664, najmuwmo@gmail.com

**Shaila K.H.**  
M.A., B.Ed.  
Assistant Professor  
9947 176764  
saailakh@gmail.com

**Dr. Yoosuf Nadwi**, M.A., Ph.D  
Assistant Professor &  
Research Guide, R.U.A College,  
Farook, University of Calicut  
9387806050 dr.yumnadwi@gmail.com

**Dr. Muhammed Sayeed M.K.**  
M.A., Ph.D  
Assistant Professor  
8281846575  
msayedmk@gmail.com

## 5. Summary Report

Sl. No	Academic Year	Name of Course	Duration of the Course	Course Coordinator	No. Enrolled Students	No. of Qualified Students
1	2020-21	Basic Communication Skills in Arabic	30 Hours	Asil Kalathingal	50	50

The Certificate Course on Basic Communication Skills in Arabic designed to improve language and Communication Skills among the Students. The Course was conducted from 12.01.2021 to 22.03.2021. Faculty Members of the Department Served as Resource Persons. 30 Sessions were Conducted. 51 Students Successfully Completed the Course and given Certificates. It is helpful for Students to acquire Basic Knowledge in Communicative Arabic and also familiar them to understand the elementary Components of Arabic Language.

Asil Kalathingal  
Course Coordinator

Dr. Najmuddeen. P  
HoD





قسم اللغة العربية وآدابها  
DEPARTMENT OF ARABIC  
W.M.O ARTS & SCIENCE COLLEGE  
(Affiliated to University of Calicut)

deptofarabicwmo@gmail.com  
www.wmocollege.ac.in  
P.o. Muttill, Wayanad, Kerala - India, 673 122

"Education and some more"

Dr. Najmuddeen P., M.Phil, Ph.D.  
Assistant Professor & Head,  
Research Guide, R.U.A College, Farook,  
University of Calicut  
9947786664, najmuwmo@gmail.com

Shaila K.H.  
M.A., B.Ed.  
Assistant Professor  
9947 176764  
saailakh@gmail.com

Dr. Yoosuf Nadwi, M.A., Ph.D  
Assistant Professor &  
Research Guide, R.U.A College,  
Farook, University of Calicut  
9387806050 dr.ymnadwi@gmail.com

Dr. Muhammed Sayeed M.K.  
M.A., Ph.D  
Assistant Professor  
8281846575  
msayedmk@gmail.com

## 6. Samples of Certificates

WMO ARTS & SCIENCE COLLEGE, MUTTIL  
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Wayanad, Kerala, Pin:673122  
www.wmocollege.ac.in

### Certificate

This is to certify that Dr/Mr/Ms/  
Zimmu salama  
has successfully completed the Certificate Course on  
Basic Communicative Skills in Arabic  
Conducted by the Department of  
Arabic  
from 12.01.2021 to 22.03.2021

Asit Course Coordinator  
HoD  
Principal

WMO ARTS & SCIENCE COLLEGE, MUTTIL  
Affiliated to University of Calicut.  
Wayanad, Kerala, Pin:673122  
www.wmocollege.ac.in

### Certificate

This is to certify that Dr/Mr/Ms/  
MUHAMMED JASMEEL IS  
has successfully completed the Certificate Course on  
Basic Communicative Skills in Arabic  
Conducted by the Department of  
Arabic  
from 12.01.2021 to 22.03.2021

Asit Course Coordinator  
HoD  
Principal



**Dr. Najmuddeen P.**, M.Phil, Ph.D.  
Assistant Professor & Head,  
Research Guide, R.U.A College, Farook,  
University of Calicut  
9947786664, najmuwmo@gmail.com

**Shaila K.H.**  
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saailakh@gmail.com

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Assistant Professor &  
Research Guide, R.U.A College,  
Farook, University of Calicut  
9387806050 dr.yumnadwi@gmail.com

**Dr. Muhammed Sayeed M.K.**  
M.A., Ph.D  
Assistant Professor  
8281846575  
msayeedmk@gmail.com

## 5. Summary Report

Sl. No	Academic Year	Name of Course	Duration of the Course	Course Coordinator	No. Enrolled Students	No. of Qualified Students
1	2020-21	Arabic DTP with Translation	30 Hours	Dr. Muhammed Sayeed MK	60	60

This course designed to ensure that, graduates who pass out after completing this course would have knowledge, skills and aptitude for gainful employment in translation Fields, the wage sector in Arabian Gulf countries and for self-employment. As Arabic is an International language, the non-Arabic learning students can also take benefit from this course. It also equipped Students to familiar with Arabic-English Typing Skills. The Course was conducted from 04.01.2021 to 31.03.2021. Faculty Members of the Department Served as Resource Persons. 30 Sessions were Conducted. 60 Students Successfully Completed the Course and given Certificates.

Mr. Muhammed Sayeed MK  
Course Coordinator

Dr. Najmuddeen. P  
HoD





"Education and some more"

Dr. Najmuddeen P., M.Phil, Ph.D.  
Assistant Professor & Head,  
Research Guide, R.U.A College, Farook,  
University of Calicut  
9947786664, najmuwmo@gmail.com

Shaila K.H.  
M.A., B.Ed.  
Assistant Professor  
9947 176764  
saailakh@gmail.com

Dr. Yoosuf Nadwi, M.A., Ph.D  
Assistant Professor &  
Research Guide, R.U.A College,  
Farook, University of Calicut  
9387806050 drymnadwi@gmail.com

Dr. Muhammed Sayeed M.K.  
M.A., Ph.D  
Assistant Professor  
8281846575  
msayedmk@gmail.com

## 6. Samples of Certificates





**DEPARTMENT OF ELECTRONICS**  
**WMO ARTS & SCIENCE COLLEGE**

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**Circuit Simulation and PCB Designing**

**Summary Report**

The Department of Electronics offered a certificate course on Circuit Simulation and PCB Designing from 8<sup>th</sup> Feb 2021 to 1<sup>st</sup> March 2021. The 30-hour course, co-ordinated by Abdul Rasheed, Assistant Professor, attracted a total of 31 participants from BSc Electronics. The course provided a comprehensive understanding of circuit simulation techniques and practical skills in designing printed circuit boards (PCBs). Participants gained valuable knowledge in analysing circuit behaviour, optimizing performance, and implementing PCB layouts. Overall, the course successfully equipped the participants with essential skills in circuit simulation and PCB designing.

Course coordinator : Abdul Rasheed

Head Of the Department: Siby Joseph

Siby Joseph  
Associate Professor/HOD  
Department of Electronics  
WMO Arts & Science College  
Muttil P.O., Wayanad - 673122





# WMO ARTS & SCIENCE COLLEGE, MUTTIL

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Wayanad, Kerala, Pin:673122

[www.wmocollege.ac.in](http://www.wmocollege.ac.in)

## Certificate

This is to certify that Dr/Mr/Ms/

*Athulya Das*

has successfully completed the Certificate Course on

*Circuit Simulation & P.C.B. Designing*

Conducted by the Department of

*Electronics*

from ....08:02:21..... ESTD. 1995 to ...01:03:21.....

Course Coordinator

HoD

Principal



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Wayanad, Kerala, Pin:673122

[www.wmocollege.ac.in](http://www.wmocollege.ac.in)

## Certificate

This is to certify that Dr/Mr/Ms/

Abhilash P.M.

has successfully completed the Certificate Course on

Circuit Simulation & PCB Designing

Conducted by the Department of

Electronics

from 08.02.21

ESTD. 1995

to 01.03.21

Course Coordinator

HoD

Principal





**DEPARTMENT OF COMPUTER SCIENCE**  
**WMO ARTS & SCIENCE COLLEGE, MUTTIL**

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Phone: 84704-26282 (Office)  
84704-247332 (Principal)  
e-mail: [principal@wmo.ac.in](mailto:principal@wmo.ac.in)  
website: [www.wmo.ac.in](http://www.wmo.ac.in)

## **Certificate course on Basics of Flutter**

**Academic Year :2020-2021**

**Number of Hours:30**

**Course coordinator: Mr.Rasheed N K**

### *Summary Report*

The course on basics of flutter was held from 22/02/2021 to 24/03/2021. number of students have enrolled and successfully completed the course. The Basics of Flutter course provides an introduction to the Flutter framework for developing cross-platform mobile applications. It is designed for beginners who want to learn how to build mobile apps using Flutter. Here is a summary of the key topics covered in this course:

**Introduction to Flutter:** The course begins with an overview of Flutter, its features, and advantages. Students learn about the Flutter architecture and how it differs from other frameworks.

**Flutter Installation and Setup:** Students are guided through the installation process of Flutter SDK and setting up the development environment on their preferred operating system (Windows, macOS, or Linux).

**Dart Programming Language:** Flutter uses the Dart programming language, so students are introduced to the basics of Dart, including variables, data types, control flow, functions, and object-oriented concepts. This foundation in Dart is essential for understanding Flutter development.

**Flutter Widgets:** Students learn about Flutter's core building blocks called widgets. They explore different types of widgets such as stateless and stateful widgets, container widgets, layout widgets, and input widgets. Understanding widgets is crucial for creating the user interface of the Flutter app.

The course has helped students to develop an application software using flutter which will enhance them to perform well in the course project to be completed in final year.

  
**Rasheed N. K**  
Course Coordinator

  
Head of Department

**SUMA. N.**  
ASSO. PROFESSOR  
Dept. of Computer Science  
WMO, Arts & Science College  
Muttil. P.O., Wayanad - 673 122



# WMO ARTS & SCIENCE COLLEGE, MUTTIL

Affiliated to University of Calicut, Wayanad, Kerala, Pin:673122- [www.wmocollege.ac.in](http://www.wmocollege.ac.in)

## CERTIFICATE

This is to certify that ~~Mr.~~/Ms.

*Ajma Fathima N.S*

has successfully completed the Certificate course on

*Basics of flutter*

Conducted by the Department of

*Computer & science*

From *22/2/21* to *28/3/21*

Course Coordinator



HOD

Principal  
W.M.O. Arts & Science College  
Muttill P.O., Wayanad





# DEPARTMENT OF SOCIAL WORK

W.M.O ARTS AND SCIENCE COLLEGE

PO Muttill, Wayanad, Kerala- 673122

wmoschoolofsocialwork@gmail.com

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## CERTIFICATE COURSE

### RESEARCH

### METHODOLOGY

### EVALUATION

**Academic Year:** 2020-21

**No: of hours:** 37

**Course Coordinator:** Mr. Ahammed Munavvir B M

**Number of students participated:** 15

**Duration:** January 2021

### Course summary

Course has been successfully completed for 15 students under the coordination of the faculty concerned in the month January 2021. There was a total of 10 sessions. Students have shown significant improvement in their understanding on research.

### Course outcome

Students gained knowledge and practice on the following domains

- Understood the significance and characteristics of scientific research
- Developed competence in conducting qualitative and quantitative research
- Understood about the research process of qualitative and quantitative research
- Gained an understanding about the application of statistical techniques in social work research

Course Co-ordinator & Head

Mr Ahammed Munavvir B M

Assistant Professor

Department of Social Work

## CERTIFICATES



The certificate features a dark blue background with a yellow sunburst graphic at the top. The text is in white and yellow. The background of the certificate has a light yellow floral pattern.

 WMO ARTS AND SCIENCE COLLEGE, MUTTIL  
DEPARTMENT OF SOCIAL WORK 

# CERTIFICATE of Completion

This Certificate Is Presented To

Sreeshma A

Has Successfully Completed the Certificate Course on

" RESEARCH METHODOLOGY "

from Jan 10 to Feb 10 , 2021

  
Head of the Department

  
Course Coordinator





WMO ARTS AND SCIENCE COLLEGE, MUTTIL  
DEPARTMENT OF SOCIAL WORK



# CERTIFICATE of Completion

This Certificate Is Presented To

Shakira P H

Has Successfully Completed the Certificate Course on

" RESEARCH METHODOLOGY "

from Jan 10 to Feb 10 , 2021



Head of the Department

Course Coordinator



**DEPARTMENT OF ELECTRONICS  
WMO ARTS & SCIENCE COLLEGE**

*"education and some more"*

Affiliated to University of Calicut

(Aided by Govt. of Kerala)

**P.O. MUTTIL, WAYANAD, KERALA - 673122**

Phone : 04936-203382 (Office)

04936-207532 (Principal)

e-mail : [wmocollege@gmail.com](mailto:wmocollege@gmail.com)

website: [WWW.wmocollege.ac.in](http://WWW.wmocollege.ac.in)

**LED BULB ASSEMBLING AND REPAIRING**

**Summary Report**

The Department of Electronics offered a certificate course on LED Bulb Assembling and Maintenance Training from 3<sup>rd</sup> February 2021 to 21<sup>st</sup> to 26<sup>th</sup> February 2021. The 30-hour course, co-ordinated by Abdul Rasheed, Assistant Professor, attracted a total of 10 participants from BSc Electronics. The course provided a basic understanding of circuit soldering and assembling techniques and practical skills in manufacturing small products like LED BULBS. Participants gained valuable knowledge in manufacturing basics, costing and infrastructure requirements for a small scale assembling units. Overall, the course successfully equipped the participants with essential skills in assembling and the essential other infrastructure requirements in production segments.

Course coordinator : Abdul Rasheed

Head Of the Department: Siby Joseph

**Siby Joseph**  
Associate Professor/HOD  
Department of Electronics  
WMO Arts & Science College  
Muttill P.O., Wayanad - 673122





## WMO ARTS & SCIENCE COLLEGE, MUTTIL

Affiliated to University of Calicut.  
Wayanad, Kerala, Pin:673122  
www.wmocollege.ac.in

# Certificate

This is to certify that Dr/Mr/Ms/

.....*Sumayya*.....

.....  
has successfully completed the Certificate Course on

.....*L.E.D. ASSEMBLING & REPAIRING*.....

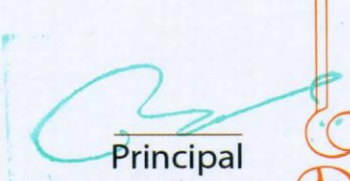
.....  
Conducted by the Department of

.....*ELECTRONICS*.....

.....  
from *.3<sup>rd</sup> Feb. 2021*..... ESTD. 1995 ..... to *.26<sup>th</sup> Feb. 2021*.....

  
Course Coordinator

  
HoD

  
Principal