

CULTIVATION OF CROPS – Cowpea (*Vigna unguiculata*)

By

ANJANA M R

REG NO:- CRAABVU001

SECOND SEMESTER

PROJECT

SUBMITTED IN PARTIAL FULFILLMENT OF THE AWARD OF
BACHELOR OF VOCATIONAL DEGREE IN AGRICULTURE

UNIVERSITY OF CALICUT



CARMEL COLLEGE, MALA

(Nationally Accredited With A Grade)

Manjusha
DR.MANJUSHA RANI

Manjusha
for MS. ANJALY JOHNSON K

HEAD OF THE DEPARTMENT

SUPERVISOR

HEAD. DEPT. OF B VOC
ARGICULTURE
CARMEL COLLEGE, MALA

CERTIFICATE

This is to certify that the project title "CULTIVATION OF CROPS – COWPEA (*Vigna unguiculata*)" submitted by ANJANA M R (Reg No: CRAABVU001) in partial fulfilment of the requirement of Bachelor of Vocational Degree in Agriculture at Carmel College, Mala, affiliated to University of Calicut during 2022-2023, is a record of the bonafide work done by her under my supervision and guidance.

Date: 10.05.23

Place: MALA

for Ms. Anjaly Johnson K

Ms. Anjaly Johnson K

Asst. professor

Dept. of Agriculture

Carmel College of Mala

CULTIVATION OF CROPS - SPINACH (Spinacia oleracea)

By

BHAVYA MARIYA V.B

REG NO:- CRAABVU002

SECOND SEMESTER

PROJECT

**SUBMITTED IN PARTIAL FULFILLMENT OF THE AWARD OF
BACHELOR OF VOCATIONAL DEGREE IN AGRICULTURE**

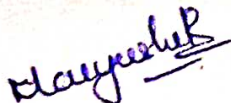
UNIVERSITY OF CALICUT



**CARMEL COLLEGE,
MALA**

(Nationally Accredited With A Grade)

2022-2023


DR. MANJUSHA RANI
**HEAD OF THE
DEPARTMENT**


Dr. ARCHANA K A
SUPERVISOR

HEAD. DEPT OF B.VOC
AGRICULTURE
CARMEL COLLEGE MALA

CERTIFICATE

This is to certify that the project titled "CULTIVATION OF CROPS - SPINACH (Spinacia oleracea) "submitted by BHAVYA MARIYA VB (Reg no: CRAABVU002) in partial fulfillment of the requirement of Bachelor of Vocational Degree in Agriculture at Carmel College, Mala, affiliated to university of Calicut during 2022 - 2023, is a records of the bonafide work done by her under my supervision and guidance.

Date: 10/05/23

Place: Mala


Dr. Archana K A

Asst. professor

Department of Agriculture

Carmel college, Mala

CULTIVATION OF CROPS - SPINACH (Spinacia oleracea)

By

GOPIKA K

REG NO:- CRAABVU003

SECOND SEMESTER

PROJECT

**SUBMITTED IN PARTIAL FULFILLMENT OF THE AWARD OF
BACHELOR OF VOCATIONAL DEGREE IN AGRICULTURE**

UNIVERSITY OF CALICUT



**CARMEL COLLEGE,
MALA**

(Nationally Accredited With A Grade)

Manjusha
DR. MANJUSHA RANI

**HEAD OF THE
DEPARTMENT**

**HEAD. DEPT. OF B VOC
ARGICULTURE
CARMEL COLLEGE. MALA**

Archana
Dr. ARCHANA K A
SUPERVISOR

CERTIFICATE

This is to certify that the project titled "CULTIVATION OF CROPS - SPINACH (*Spinacia oleracea*)" submitted by GOPIKA K (Reg no: CRAABVU003) in partial fulfillment of the requirement of Bachelor of Vocational Degree In Agriculture at Carmel College, Mala, affiliated to university of Calicut during 2022 - 2023, is a records of the bonafide work done by her under my supervision and guidance.

Date: 10/05/23

Place: Mala

Dr. Archana K A

Asst. professor

Department of Agriculture

Carmel college, Mala

CULTIVATION OF CROPS - SPINACH (Spinacia oleracea)

By

NAMITHA P S

REG NO:- CRAABVU004

SECOND SEMESTER

PROJECT

**SUBMITTED IN PARTIAL FULFILLMENT OF THE AWARD OF
BACHELOR OF VOCATIONAL DEGREE IN AGRICULTURE**

UNIVERSITY OF CALICUT



**CARMEL COLLEGE,
MALA**

(Nationally Accredited With A Grade)

Manjusha Rani
DR. MANJUSHA RANI
**HEAD OF THE
DEPARTMENT**

**HEAD, DEPT OF B VOD
AGRICULTURE
CARMEL COLLEGE, MALA**

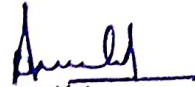
Archana K A
Dr. ARCHANA K A
SUPERVISOR

CERTIFICATE

This is to certify that the project titled "CULTIVATION OF CROPS - SPINACH (*Spinacia oleracea*)" submitted by NAMITHA P8(Reg no: CRAABVU004) in partial fulfillment of the requirement of Bachelor of Vocational Degree in Agriculture at Carmel College, Maia, affiliated to university of Calicut during 2022 - 2023, is a records of the bonafide work done by her under my supervision and guidance.

Date: 10/05/23

Place: Maia



Dr. Archana K A

Asst. professor

Department of Agriculture

Carmel college, Maia

CULTIVATION OF CROPS – OKRA (*Abelmoschus esculentus*)

By

SIMPLE BABU

REG NO :- CRAABVU006

SECOND SEMESTER

PROJECT

**SUBMITTED IN PARTIAL FULFILLMENT OF THE AWARD OF
BACHELOR OF VOCATIONAL DEGREE IN AGRICULTURE**

UNIVERSITY OF CALICUT



CARMEL COLLEGE, MALA

(Nationally Accredited With A Grade)

2022-2023

Manjusha B

DR.MANJUSHA RANI

HEAD OF THE DEPARTMENT

Manhusha R

DR.MANHUSHA RANI

SUPERVISOR

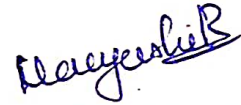
HEAD, DEPT OF BVOC
ARGICULTURE
CARMEL COLLEGE, MALA

CERTIFICATE

This is to certify that the project title “ CULTIVATION OF CROPS - OKRA(*Abelmoschus esculentus*)” submitted by SIMPLE BABU (Reg No : CRAABVU006) in partial fulfilment of the requirement of Bachelor of Vocational Degree in Agriculture at Carmel College, Mala , affiliated to University of Calicut during 2022-2023, is a record of the bonafide work done by her under my supervision and guidance.

Date : 10.05.23

Place : MALA



DR MANJUSHA RANI

Asst.professor

Dept. of Agriculture

Carmel College of Mala

CULTIVATION OF CROPS – CHILLI (*Capsicum annum*)

By

ARCHA K G

REG NO :- CRAABVU010

SECOND SEMESTER

PROJECT

**SUBMITTED IN PARTIAL FULFILLMENT OF THE AWARD OF
BACHELOR OF VOCATIONAL DEGREE IN AGRICULTURE**

UNIVERSITY OF CALICUT



CARMEL COLLEGE, MALA

(Nationally Accredited With A Grade)

2022-2023

Manjusha Rani

**DR.MANJUSHA RANI
DEPARTMENT**

for Manjusha Rani

**MS. ANJALY JOHNSON K HEAD OF THE
SUPERVISOR**

HEAD. DEPT. OF B VOC
ARGICULTURE
CARMEL COLLEGE MALA

CERTIFICATE

This is to certify that the project title “ CULTIVATION OF CROPS - CHILLI (*Capsicum annuum*)” submitted by ARCHA K G (Reg No : CRAABVU010) in partial fulfilment of the requirement of Bachelor of Vocational Degree in Agriculture at Carmel College, Mala , affiliated to University of Calicut during 2022-2023, is a record of the bonafide work done by her under my supervision and guidance.

Date : 10.05.23

Place : MALA

for Anjaly Johnson K

Ms. Anjaly Johnson K

Asst.professor

Dept. of Agriculture

Carmel College of Mala

CULTIVATION OF CROPS – OKRA (*Abelmoschus esculentus*)

By

KRISHNA GAYATHRI P

REG NO:- CRAABVU014

SECOND SEMESTER

PROJECT

**SUBMITTED IN PARTIAL FULFILLMENT OF THE AWARD
OF BACHELOR OF VOCATIONAL DEGREE IN AGRICULTURE**

UNIVERSITY OF CALICUT



CARMEL COLLEGE, MALA

(Nationally Accredited With A Grade)

2022- 2023

Manjusha Rani

DR. MANJUSHA RANI

HEAD OF THE DEPARTMENT

**HEAD, DEPT. OF B.VOC,
AGRICULTURE
CARMEL COLLEGE, MALA**

Archana K A

Dr. ARCHANA K A

SUPERVISOR

CERTIFICATE

This is to certify that the project title "CULTIVATION OF CROPS – OKRA (*Abelmoschus esculentus*)" submitted by KRISHNA GAYATHRI P (Reg No: CRAABVU014) in fulfillment of the requirement of Bachelor of Vocational Degree in Agriculture at Carmel College, Mala, affiliated to University of Calicut during 2022-2023, is a record of the bonafide work done by her under my supervision and guidance.

Date: 10/05/2023

Place: MALA


Dr. Archana KA

Asst. professor

Dept. of Agriculture

Carmel College of Mala

CULTIVATION OF CROPS – CHILLI (*Capsicum annum*)

By

AMMU VINOD. S

REG NO :- CRAABVU009

SECOND SEMESTER

PROJECT

**SUBMITTED IN PARTIAL FULFILLMENT OF THE AWARD OF
BACHELOR OF VOCATIONAL DEGREE IN AGRICULTURE**


UNIVERSITY OF CALICUT



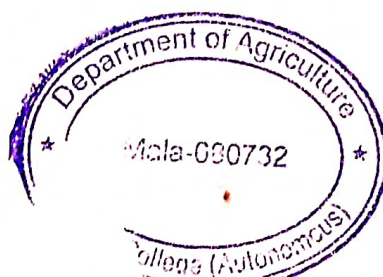
CARMEL COLLEGE, MALA

(Nationally Accredited With A Grade)

2022-2023


DR. MANJUSHA RANI
HEAD OF THE DEPARTMENT


MS. ANJALY JOHNSON K
SUPERVISOR




CERTIFICATE

This is to certify that the project title “ CULTIVATION OF CROPS - CHILLI (*Capsicum annuum*)” submitted by AMMU VINOD. S (Reg No : CRAABVU009) in partial fulfilment of the requirement of Bachelor of Vocational Degree in Agriculture at Carmel College, Mala , affiliated to University of Calicut during 2022-2023, is a record of the bonafide work done by her under my supervision and guidance.

Date : 16/05/23

Place : MALA



MS. ANJALY JOHNSON K

Asst. professor

Dept. of Agriculture

Carmel College of Mala

CULTIVATION OF CROPS - COWPEA (*Vigna unguiculata*)

By

R GOWRIKRISHNA

REG NO :- CRAABVU005

SECOND SEMESTER

PROJECT

**SUBMITTED IN PARTIAL FULFILLMENT OF THE AWARD OF
BACHELOR OF VOCATIONAL DEGREE IN AGRICULTURE**

UNIVERSITY OF CALICUT



CARMEL COLLEGE, MALA

(Nationally Accredited With A Grade)

2022-2023

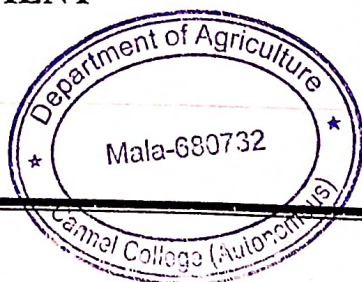

DR. MANJUSHA RANI


DR. MANJUSHA RANI

HEAD OF THE DEPARTMENT

SUPERVISOR

Head
Department of Agriculture
Carmel College (Autonomous)
Mala-680732



CERTIFICATE

This is to certify that the project title " CULTIVATION OF CROPS - COWPEA (*Vigna unguiculata*)" submitted by R GOWRIKRISHNA (Reg No : CRAABVU005) in partial fulfillment of the requirement of Bachelor of Vocational Degree in Agriculture at Carmel College, Mala , affiliated to University of Calicut during 2022-2023, is a record of the bonafide work done by her under my supervision and guidance.

Date : 16/05/23

Place : MALA


Dr. Manjusha Rani

Asst.professor

Dept. of Agriculture

Carmel College of Mala

CULTIVATION OF CROPS – Cowpea (*Vigna unguiculata*)

By

L.LINTA

REG NO:- CRAABVU015

SECOND SEMESTER

PROJECT

**SUBMITTED IN PARTIAL FULFILLMENT OF THE AWARD OF
BACHELOR OF VOCATIONAL DEGREE IN AGRICULTURE**

UNIVERSITY OF CALICUT



CARMEL COLLEGE, MALA

(Nationally Accredited With A Grade)


DR. MANJUSHA RANI

HEAD OF THE DEPARTMENT


MS. ANJALY JOHNSON K

SUPERVISOR

Head
Department of Agriculture
Carmel College (Autonomous)
Mala-680732



CERTIFICATE

This is to certify that the project title "CULTIVATION OF CROPS – COWPEA (*Vigna unguiculata*)" submitted by L.LINTA (Reg No: CRAABVU015) in partial fulfilment of the requirement of Bachelor of Vocational Degree in Agriculture at Carmel College, Mala, affiliated to University of Calicut during 2022-2023, is a record of the bonafide work done by her under my supervision and guidance.

Date: 16/05/23

Place: MALA


Dr. Archana.K.A

Asst. professor

Dept. of Agriculture

Carmel College of Mala

CULTIVATION OF CROPS - COWPEA (*Vigna unguiculata*)

By

ASNA N

REG NO :- CRAABVU011

SECOND SEMESTER

PROJECT

SUBMITTED IN PARTIAL FULFILLMENT OF THE AWARD OF
BACHELOR OF VOCATIONAL DEGREE IN AGRICULTURE

UNIVERSITY OF CALICUT



CARMEL COLLEGE, MALA

(Nationally Accredited With A Grade)

2022-2023

A handwritten signature in black ink, appearing to be "Aly", written over a horizontal line.

DR.MANJUSHA RANI

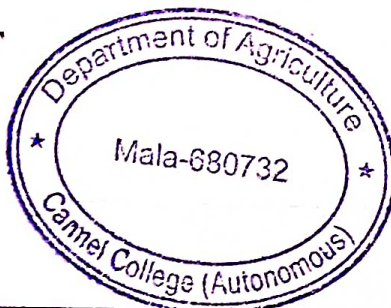
HEAD OF THE DEPARTMENT

Head
Department of Agriculture
Carmel College (Autonomous)
Mala-680732

A handwritten signature in black ink, appearing to be "Aly", written over a horizontal line.

MS. ANJALI JOHNSEN K

SUPERVISOR



CERTIFICATE

This is to certify that the project title " CULTIVATION OF CROPS - COWPEA (*Vigna unguiculata*)" submitted by ASNA N (Reg No : CRAABVU011) in partial fulfillment of the requirement of Bachelor of Vocational Degree in Agriculture at Carmel College, Mala , affiliated to University of Calicut during 2022-2023, is a record of the bonafide work done by her under my supervision and guidance.

Date : 16/05/23

Place : MALA



Ms. Anjaly Johnson K

Asst.professor

Dept. of Agriculture

Carmel College of Mala

CULTIVATION OF CROPS - COWPEA (*Vigna unguiculata*)

By

SOORYA. C

REG NO :- CRAABVU016

SECOND SEMESTER

PROJECT

**Submitted in partial fulfilment of the requirement for the award of Bachelor
of Vocational Degree in Agriculture**

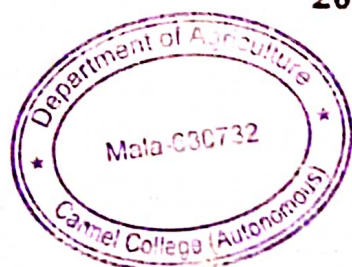
UNIVERSITY OF CALICUT



CARMEL COLLEGE, MALA

(Nationally Accredited With A Grade)

2022-2023



CERTIFICATE

This is to certify that the project title " CULTIVATION OF CROPS - COWPEA (*Vigna unguiculata*)" submitted by SOORYA. C(Reg.No : CRAABVU016) in partial fulfilment of the requirement of Bachelor of Vocational Degree in Agriculture at Carmel College, Mala , affiliated to University of Calicut during 2022-2023, is a record of the bonafide work done by her under my supervision and guidance.

Date : 16/05/23

Place : MALA



Dr. Manjusha Pani

Assl professor

Dept. of Agriculture

Carmel College of Mala

CULTIVATION OF CROPS - SPINACH (Spinacia oleracea)

By

VRINDA DAS M

REG NO:- CRAABVU018

SECOND SEMESTER

PROJECT

**SUBMITTED IN PARTIAL FULFILLMENT OF THE AWARD OF
BACHELOR OF VOCATIONAL DEGREE IN AGRICULTURE**

UNIVERSITY OF CALICUT



CARMEL COLLEGE, MALA

(Nationally Accredited With A Grade)

2022- 2023

Manjusha Rani

DR. MANJUSHA RANI

**HEAD OF THE
DEPARTMENT**

**HEAD, DEPT OF B VOC'
ARGICULTURE
CARMEL COLLEGE, MALA**

Archana K A

Dr. ARCHANA K A

SUPERVISOR

CERTIFICATE

This is to certify that the project titled "CULTIVATION OF CROPS-SPINACH (Spinacia oleracea)" submitted by VRINDA DAS M(Reg no : CRAABVU018) in partial fulfillment of the requirement of Bachelor of Vocational Degree in Agriculture at Carmel College, Mala, affiliated to university of Calicut during 2022 - 2023, is a record of the bonafide work done by her under my supervision and guidance.

Date: 10/05/23

Place: Mala


Dr. ARCHANA K A -

Asst. professor

Department of Agriculture Carmel

college, Mala

CULTIVATION OF CROPS - Cowpea (*Vigna unguiculata*)

By

AKSHAYA M R

REG NO:- CRAABVU008

SECOND SEMESTER

PROJECT

**Submitted in partial fulfilment of the requirement for the award of
Bachelor of Vocational Degree in Agriculture**



UNIVERSITY OF CALICUT

CARMEL COLLEGE, MALA

(Nationally Accredited With A Grade)

2022-2023

CERTIFICATE

This is to certify that the project title "CULTIVATION OF CROPS - COWPEA (*Vigna unguiculata*)" submitted by AKSHAYA M R (Reg No. CRAABVU008) in partial fulfillment of the requirement of Bachelor of Vocational Degree in Agriculture at Carmel College Mala, affiliated to University of Calicut during 2022-2023, is a record of the bonafide work done by her under my supervision and guidance.

Date: 16/05/23

Place: MALA


Ms. Anjaly Johnson K

Asst. professor

Dept. of Agriculture

Carmel College of Mala

CULTIVATION OF CROPS - COWPEA (*Vigna unguiculata*)

By SNUPA

REG NO :- CRAABVU007

SECOND SEMESTER

PROJECT

**Submitted in partial fulfilment of the requirement for the award of Bachelor
of Vocational Degree in Agriculture**

UNIVERSITY OF CALICUT



CARMEL COLLEGE, MALA

(Nationally Accredited With A Grade)

2022-2023



CERTIFICATE

This is to certify that the project title " CULTIVATION OF CROPS - COWPEA (*Vigna unguiculata*)" submitted by SNUPA Reg No : CRAADVU007 in partial fulfilment of the requirement of Bachelor of Vocational Degree in Agriculture at Carmel College, Mala , affiliated to University of Calicut during 2022-2023, is a record of the bonafide work done by her under my supervision and guidance.

Date : 16/05/23

Place : MALA


Dr. Manjusha Rani

Asst. professor

Dept. of Agriculture

Carmel College of Mala

CULTIVATION OF CROPS - CHILLI (*Capiscum annuum*)

By

BHADRA A P

REG NO. - CRAABVTU012

SECOND SEMESTER

PROJECT

**Submitted in partial fulfilment of the requirement for the award of Bachelor
of Vocational Degree in Agriculture**

UNIVERSITY OF CALICUT



CARMEL COLLEGE, MALA

(Nationally Accredited With A Grade)

2022-2023



CERTIFICATE

This is to certify that the project title " CULTIVATION OF CROPS - CHILLI (*Capricum annuum*)" submitted by BHADRA A P (Reg No. CRAABVU012) in partial fulfilment of the requirement of Bachelor of Vocational Degree in Agriculture at Carmel College, Mala, affiliated to University of Calicut during 2022-2023, is a record of the bonafide work done by her under my supervision and guidance.

Date: 16/05/23

Place: MALA


Ms. ANJALY JOHNSON K

Asst. Professor

Dept. of Agriculture

Carmel College of Mala

CULTIVATION OF CROPS - COWPEA (*Vigna unguiculata*)

By

DEVIKA JINESH

REG NO :- CRAABVU013

SECOND SEMESTER

PROJECT

**Submitted in partial fulfilment of the requirement for the award of Bachelor
of Vocational Degree in Agriculture**

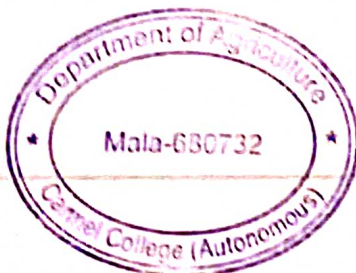
UNIVERSITY OF CALICUT



CARMEL COLLEGE, MALA

(Nationally Accredited With A Grade)

2022-2023



CERTIFICATE

This is to certify that the project title “ CULTIVATION OF CROPS - COWPEA (*Vigna unguiculata*)” submitted by DEVIKA JINESH (Reg No : CRAABVU013) in partial fulfilment of the requirement of Bachelor of Vocational Degree in Agriculture at Carmel College, Mala , affiliated to University of Calicut during 2022-2023, is a record of the bonafide work done by her under my supervision and guidance.

Date : 16/05/23

Place : MALA



Dr. Archana A K

Asst. professor

Dept. of Agriculture

Carmel College of Mala

CULTIVATION OF CROPS - COWPEA (*Vigna unguiculata*)

By

VARADA VIJAYAN KK

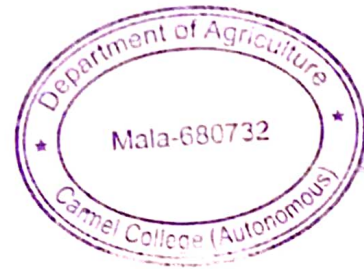
REG NO :- CRAABVU017

SECOND SEMESTER

PROJECT

**Submitted in partial fulfilment of the requirement for the award of Bachelor
of Vocational Degree in Agriculture**

UNIVERSITY OF CALICUT



CARMEL COLLEGE, MALA

(Nationally Accredited With A Grade)

2022-2023

CERTIFICATE

This is to certify that the project title " CULTIVATION OF CROPS - COWPEA (*Vigna unguiculata*)" submitted by VARADA VIJAYAN KK(Reg No : CRAABVU017) in partial fulfillment of the requirement of Bachelor of Vocational Degree in Agriculture at Carmel College, Mala , affiliated to University of Calicut during 2022-2023, is a record of the bonafide work done by her under my supervision and guidance.

Date : 16/05/23

Place : MALA


Dr. Manjusha Rani

Asst. professor

Dept. of Agriculture

Carmel College of Mala
