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CULTIVAION OF CROP – OKRA (Abelmoschus esculentus)

PROJECT SUBMITTED TO CALICUT UNIVERSITY IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF THE DEGREE OF BACHELOR OF VOCATIONAL STUDIES

BVOC AGRICULTURE

SECOND SEMESTER

2020-2021

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CULTIVAION OF CROPS – COWPEA (Vigna unguiculata)

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Dr. MANJUSHA RANI

ASSISTANT PROFESSOR ON CONTRACT

DEPARTMENT OF AGRICULTURE

CARMEL COLLEGE

MALA

Dr. MANJUSHA RANI

HEAD OF THE DEPARTMENT

Dr. MANJUSHA RANI

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HEAD, DEPT OF B VOC ARGICULTURE CARMEL COLLEGE, MALA



(Nationally Accredited With A Grade)

CULTIVAION OF CROPS – COWPEA (Vigna unguiculata)

PROJECT SUBMITTED TO CALICUT UNIVERSITY IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF THE DEGREE OF BACHELOR OF VOCATIONAL STUDIES

BVOC AGRICULTURE

SECOND SEMESTER

2020-2021

SUBMITTED BY

SURYAKM

REG NO: CRAUBVU035

UNDER THE SUPERVISION OF

Dr. MANJUSHA RANI

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(Nationally Accredited With A Grade)

CULTIVATION OF CROPS-COWPEA- Vigna unguiculata

PROJECT SUBMITTED TO CALICUT UNIVERSITY IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF THE DEGREE OF BACHELOR OF VOCATIONAL STUDIES

BVOC AGRICULTURE

SECOND SEMESTER

2020-2021

SUBMITTED BY

SHAHINA P.M

REG NO: CRAUBVU029

UNDER THE SUPERVISION OF

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CARMEL COLLEGE, MALA

(Nationally Accredited With A Grade)

CULTIVATION OF CROPS-COWPEA— Vigna unguiculata

PROJECT SUBMITTED TO CALICUT UNIVERSITY IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF THE DEGREE OF BACHELOR OF VOCATIONAL STUDIES

BVOC AGRICULTURE

SECOND SEMESTER

2020-2021

SUBMITTED BY

KABANI V.P

REG NO: CRAUBVU021

UNDER THE SUPERVISION OF

Dr. MANJUSHA RANI

ASSISTANT PROFESSOR ON CONTRACT

DEPARTMENT OF AGRICULTURE

CARMEL COLLEGE

MALA

Dr. MANJUSHA RANI

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SUPERVISOR

HEAD, DEPT OF B VOO ARGICULTURE CARMEL CULLEGE, MALA

This is to certify that the project titled "CULTIVATION OF OKRA – Abelmoschus esculentus" submitted By AISWARYA E B (Reg No: CRAUBVU002) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

Dr. Manjusha Rani

Head, Dept. Of B.voc Agriculture

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

Date:

This is to certify that the project titled "CULTIVATION OF OKRA – Abelmoschus esculentus" submitted By AISWARYALAKSHMI E L (Reg No: CRAUBVU003) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

Dr. Manjusha Rani

Head, Dept. Of B.voc Agriculture

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

Date:

This is to certify that the project titled "CULTIVATION OF OKRA – Abelmoschus esculentus" submitted By ASHNA P R (Reg No: CRAUBVU013) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

Dr. Manjusha Rani

Head, Dept. Of B.voc Agriculture

Date:

This is to certify that the project titled "CULTIVATION OF OKRA – Abelmoschus esculentus" submitted by SAAYOOJA AM (Reg No: CRAUBVU027) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

Dr. Manjusha Rani

Head, Dept. Of B.voc Agriculture

Date:

Place: Mala

HEAD, DEPT OF 8 VOC ARGICULTURE CARMEL COLLEGE, MALA

This is to certify that the project titled "CULTIVATION OF OKRA – Abelmoschus esculentus" submitted By JOSNA JOY (Reg No: CRAUBVU020) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

Dr. Manjusha Rani

Head, Dept. Of B.voc Agriculture

Date:

Place: Mala

HEAD, DEPT OF B VOC ARGICULTURE CARMEL COLLEGE, MALA

This is to certify that the project titled "CULTIVATION OF OKRA – *Abelmoschus esculentus*" submitted By DEVIKA K (Reg No: CRAUBVU015) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

Dr. Manjusha Rani

Head, Dept. Of B.voc Agriculture

HEAD, DEPT OF B VOC ARGICULTURE CARMEL COLLEGE, MALA

Date:

This is to certify that the project titled "CULTIVATION OF OKRA – Abelmoschus esculentus" submitted By HIBA V (Reg No: CRAUBVU017) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

Dr. Manjusha Rani

Head, Dept. Of B.voc Agriculture

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

Date:

This is to certify the project titled "CULTIVATION OF CROPS - OKRA – Abelmoschus esculentus" submitted by SIJ MARIYA SHAJU (Reg No. CRAUBVU030) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

Dr. Manjusha Rani

Head, Dept. of B.voc Agriculture

Date:

Place: Mala

HEAD, DEPT, OF B VOC ARGICULTURE CARMILL C. LUTSE MALA

This is to certify the project titled "CULTIVATION OF CROPS - OKRA - Abelmoschus esculentus" submitted by THEERTHANA M.S (Reg No. CRAUBVU037) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

Dr. Manjusha Rani

Head, Dept. of B.voc Agriculture

Date:

Place: Mala

HEAD, DEPT OF B VOC ARGICULTURE CARMEL COLLEGE, MALA

This is to certify the project titled "CULTIVATION OF CROPS - OKRA - Abelmoschus esculentus" submitted by NASHIMA V.N (Reg No. CRAUBVU026) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

Dr. Manjusha Rani

Head, Dept. of B.voc Agriculture

Date:

Place: Mala

ARGICULTURE
CARMEL COLLEGE, MALA

This is to certify the project titled "CULTIVATION OF CROPS - OKRA - Abelmoschus esculentus" submitted by BHADRA K REGHULAL (Reg No. CRAUBVU014) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

بالسيسانيا Dr. Manjusha Rani

Head, Dept. of B.voc Agriculture

Date:

Place: Mala

HEAD, DEPT OF B VOC ARGICULTURE CARMEL COLLEGE, MALA

This is to certify the project titled "CULTIVATION OF CROPS - OKRA – Abelmoschus esculentus" submitted by SREELAKSHMI T.S (Reg No. CRAUBVU031) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

Margusty

Dr. Manjusha Rani

Head, Dept. of B.voc Agriculture

Date:

Place: Mala

HEAD, DEPT OF B VOC ARGIOULTURE CARMEL COLLEGE, MALA

This is to certify the project titled "CULTIVATION OF CROPS - OKRA – Abelmoschus esculentus" submitted by ANAGHA V.R (Reg No. CRAUBVU005) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

Manjusha Rani

Head, Dept. of B.voc Agriculture

Date:

Place: Mala

HEAD, DEPT OF BAOC ANGIOLATURE CARMEL COLLEGE MALA

This is to certify that the project titled "CULTIVATION OF OKRA – Abelmoschus esculentus" submitted By AHALYA RAVEENDRAN (Reg No: CRAUBVU001) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

vangulis.

Dr. Manjusha Rani

Head, Dept. Of B.voc Agriculture

HEAD, DEPT OF B VOC ARGICULTURE CARMEL COLLEGE, MALA

Date:

This is to certify that the project titled "CULTIVATION OF COWPEA-Vigna unguiculata"submitted by ANJANA T C (Reg No: CRAUBVU008)in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

Dr. Manjusha Rani

Head, Dept. Of B.voc Agriculture

Date:



This is to certify that the project titled "CULTIVATION OF CROPS- COWPEA (Vigna unguiculata)" submitted by SURYA K M (Reg No: CRAUBVU035) in partial fulfillment of the requirement of Bachelor of Vocational studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

Dr. Manjusha Rani

Head, Dept. Of B.voc Agriculture

Date:

Place: Mala

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

This is to certify that the project titled "CULTIVATION OF CROPS- COWPEA (Vigna unguiculata)" submitted by SRUTHI M (Reg No: CRAUBVU033) in partial fulfillment of the requirement of Bachelor of Vocational studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

Uaryuduर Dr. Manjusha Rani

Head, Dept. Of B.voc Agriculture

Date:

Place: Mala

This is to certify that the project titled "CULTIVATION OF CROPS- COWPEA (Vigna unguiculata)" submitted by ARYA E K (Reg No: CRAUBVU011) in partial fulfillment of the requirement of Bachelor of Vocational studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

المجانسة Dr. Manjusha Rani

Head, Dept. Of B.voc Agriculture

Date:



This is to certify that the project titled "CULTIVATION OF CROPS- COWPEA (Vigna unguiculata)" submitted by MEGHA MOHAN M (Reg No: CRAUBVU024) in partial fulfillment of the requirement of Bachelor of Vocational studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

Աոպա<u>հե</u> Dr. Manjusha Rani

Head, Dept. Of B.voc Agriculture

Date:



This is to certify the project titled "CULTIVATION OFCROPS - COWPEA- Vigna unguiculata submitted by VIJISHA C M (Reg No.CRAUBVU039) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel Collage Mala affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

ر کی العمال العمال العمال Dr. Manjusha Rani

Head, Dept. of B.voc Agriculture

Date:

Place: Mala

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

This is to certify the project titled "CULTIVATION OFCROPS-COWPEA -Vigna unguiculata submitted by KABANIV.P (Reg No.CRAUBVU021) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel Collage Mala affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her underour supervision and guidance.

Dr. Manjusha Rani

Head, Dept. of B.voc Agriculture

Date:

Place: Mala

HEAD, DEPT, OF B VOC.

ARGICULTURE

CARMEL COLLEGE MALA

This is to certify that the project titled "CULTIVATION OF CROPS- COWPEA (Vigna unguiculata)" submitted by SUDHINA K M (Reg No: CRAUBVU034) in partial fulfillment of the requirement of Bachelor of Vocational studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

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Head, Dept. Of B.voc Agriculture

Date:



This is to certify the project titled "CULTIVATION OFCROPS-COWPEA- Vigna unguiculata submitted by NANDANA.VIJU (Reg No.CRAUBVU025) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel Collage Mala affiliated to University of Calicut during 2020-2023, is a record of the bonfide work done by her under our supervision and guidance.

Magradus

Dr. Manjusha Rani

Head, Dept. of B. voc Agriculture

Date:

Place: Mala

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

This is to certify the project titled "CULTIVATION OFCROPS-COWPEA-Vigna unguiculata submitted by MEDHA.C.MUKUNDAN (Reg No.CRAUBVU023) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel Collage Mala affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

Mayrealuk

Dr. Manjusha Rani

Head, Dept. of B.voc Agriculture

Date:

Place: Mala

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

This is to certify that the project titled "CULTIVATION OF COWPEA-Vigna unguiculata" submitted by ASHIMA THOMAS(Reg No: CRAUBVU012) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

reary while

Dr. Manjusha Rani

Head, Dept. Of B.voc Agriculture

Date:

Place: Mala

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

This is to certify that the project titled "CULTIVATION OF COWPEA-Vigna unguiculata"submitted by ARDRA K S (Reg No: CRAUBVU010)in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

Dr. Manjusha Rani

Head, Dept. Of B.voc Agriculture

Date:

Place: Mala

HEAD, DEST OFR VOC ARGIC LIVINE CARMEL COLLEGE, MALA

This is to certify that the project titled "CULTIVATION OF COWPEA" Figure unguiculate "submitted by ANJANALAKSHMI P P(Reg Not CRAUBVU007) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel College, Mala, affiliated to University of Californ during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

many white

Dr. Manjusha Rani

Head, Dept. Of B.voc Agriculture

Date:



This is to certify that the project titled "CULTIVATION OF COWPEA-View uneniculata" Submitted by KARTHIKA I S(Reg No: CRAUBVU022) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance,

1 to Blowled

Dr. Manjusha Rani

Head, Dept. Of B.voc Agriculture

Date:

Place: Mala

HEAD, DEPT OF B VOC ARGICL" THREE CARVELCOLD TO IA

This is to certify that the project titled "CULTIVATION OF COWPEA-Vigna unguiculata" submitted by SREELAKSHMI SAJEEVAN C (Reg No: CRAUBVU031) in partial fulfillment of the requirement of Bachelor of Vocational Studies at Carmel College, Mala, affiliated to University of Calicut during 2020-2023, is a record of the bonfire work done by her under our supervision and guidance.

Manhraful.

Dr. Manjusha Rani

Head, Dept. Of B.voc Agriculture

Date:

