

2023-2024

UG

Short term Course on

**“Exploring Apiculture Services for
Economic Sustainability”**

From

The Head of the Department

Department of Zoology

MES Keveeyam College, Valanchery

To

The Principal

MES Keveeyam College, Valanchery

Sir,

Sub: Request for the Approval of Short term Course

The Department of Zoology is planning to conduct a Certificate Course on "Exploring Apiculture Services for Economic sustainability" of 30 hours duration for the first year UG students. So kindly grant permission for the same.

Thanking you.

Yours faithfully

Place: Valanchery

Date: 11/12/2023

Kovind

PRINCIPAL
M.E.S KEVEEYAM COLLEGE
VALANCHERY, PIN 676552
MALAPPURAM



(Krishna Prabha.K.S.)

KRISHNA PRABHA K.S
ASSISTANT PROFESSOR
H. No. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

From

The Head of the Department
Department of Zoology
MES Keveeyam College, Valanchery

To

The Principal
MES Keveeyam College, Valanchery

Sir,

Sub: Request for the Approval of Board of Studies for the short term course

The following academicians may be included in the Board of Studies for the short term course on "Exploring Apiculture Services for Economic sustainability" (KVM/CC/ZOO/23-24/01) to be conducted by the department.

1. Dr.Karthikeyan K, Associate Director, Department of Entomology, Regional Agriculture Research station, Pattambi.
2. Dr. Sheeba M Assistant Professor, NSS College, Manjeri
3. Dr. Krishna Prabha. K S, Assistant Professor, Department of Zoology, MES Keveeyam College, Valanchery
4. Dr. Priya. T V, Assistant Professor, Department of Zoology, MES Keveeyam College, Valanchery
5. Dr. Jisha Krishnan. E K, Assistant Professor, Department of Zoology, MES Keveeyam College, Valanchery
6. Jasla Mol. K K, Assistant Professor, Department of Zoology, MES Keveeyam College, Valanchery

Kindly do the needful to constitute the Board of Studies with these members.

Thanking you.

Yours faithfully,



Place: Valanchery

Date: 14/12/2023


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M.E.S KEVEEYAM COLLEGE
VALANCHERY, PIN 676552
MALAPPURAM

MINUTES OF BOARD OF STUDIES MEETING

Venue: Department of Zoology

Date: 13/12/2023

Agenda: Approval of syllabus of the short term course

Decisions:-

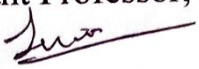
1. Discussions were done on the draft syllabus
2. Suggestions were made to conduct hands on training Programme by taxonomic experts.
3. Practical session on honey extraction and awareness on its commercial production
4. Approval can be given to syllabus

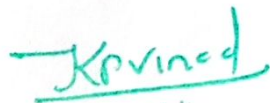
Members Present:

1. Dr.Karthikeyan K, Associate Director, Department of Entomology, Regional Agriculture Research Station, Pattambi



2. Dr. Sheeba M Assistant Professor, NSS College, Manjeri 

3. Dr. Krishna Prabha. K S, Assistant Professor, Department of Zoology, MES Keveeyam College, Valanchery 
4. Dr. Priya. T V, Assistant Professor, Department of Zoology, MES Keveeyam College, Valanchery 
5. Dr. Jisha Krishnan. E K, Assistant Professor, Department of Zoology, MES Keveeyam College, Valanchery 
6. Jasla Mol. K K, Assistant Professor, Department of Zoology, MES Keveeyam College, Valanchery 


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Members of Board of Studies for the Short term Course offered by the Department of Zoology, MES KeeVeeYam College, Valanchery.

1. Dr.Karthikeyan K,Associate Director,Department of Entomology,Regional Agriculture Research station,Pattambi



2. Dr. Sheeba M Assistant Professor, NSS College,Manjeri



3. Dr. Krishna Prabha. K S, Assistant Professor, Department of Zoology, MES Keveeyam College, Valanchery



4. Dr. Priya. T V, Assistant Professor, Department of Zoology, MES Keveeyam College, Valanchery



5. Dr. Jisha Krishnan. E K, Assistant Professor, Department of Zoology, MES Keveeyam College, Valanchery



6. Jasla Mol. K K, Assistant Professor, Department of Zoology, MES Keveeyam College, Valanchery




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Re-accredited by NAAC with A Grade
(Affiliated to the University of Calicut)

Valanchery – 676552, Malappuram Dt., Kerala

Phone: 0494 – 2644380, 2642670, 2641347(Fax), www.meskvcollege.org

Email: principal@meskvcollege.org

Order No . Acs/2023-23/01

Date: 15/12/2023

Proceedings of the Principal, MES Keveeyam College Valanchery

- Ref:** (1) Request from the Head of the Department of Zoology dt: 11/12/2023
(2) Minutes of Board of Studies meeting for approval of the syllabus dt: 14/12/2023

ORDER

As per reference cited (1), request was received from the HOD, Department of Zoology to start a short term course on “Exploring Apiculture Services for Economic sustainability”(KVM/CC/ZOO/23-24/01) .In the same letter, the head of the department has recommended a panel of academicians to be included in the Board of Studies.

The department of Zoology is hereby given sanction to conduct a short term course on Approaches for environmental awareness and education to the UG students of the college.

The board of studies for the above course is constituted with the following members

1. Dr.Karthikeyan K, Associate Director, Department of Entomology, Regional Agriculture Research station, Pattambi
2. Dr. Sheeba M Assistant Professor, NSS College, Manjeri
3. Dr. Krishna Prabha. K S, Assistant Professor, Department of Zoology, MES Keveeyam College, Valanchery
4. Dr. Priya. T V, Assistant Professor, Department of Zoology, MES Keveeyam College, Valanchery
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6. Jasla Mol. K K, Assistant Professor, Department of Zoology, MES Keveeyam College, Valanchery

Order is issued accordingly.

Principal

Prof. K.P Vinod kumar

Copy to

1. HOD, Department of Zoology
2. File


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PG Department of Zoology

Offering Certificate Course in

***Exploring Apiculture Services
for Economic Sustainability***

Duration 30 hours

*Interested candidates contact Department of
Zoology on or before 20-12-2023*

Department of Zoology

MES Keveeyam College, Valanchery

Short Term Course on "Exploring Apiculture services for Economic sustainability"

Syllabus

Duration 30 hours

Module: 1

Introduction , Scope of Apiculture in Kerala (2 hour)

Module: 2

Major species of Honey bees (wild & cultivable): (6 hour)

Social Organization of Honey bees- Features of queen, drones and workers

Life History of Honey bees.

Module:3- Appliances & Accessories used in Apiculture (8 hours)

Bee hives- types, structure

Accessories- comb foundation, Queen excluder, feeders, uncapping knife, Honey extractor etc.

Equipment for handling Honey bees

Module: 4 Installation and management of Apiary (2 hour)

Module: 5 Bee pasturage (1 hour)

Module: 6 Enemies of honey bees- Identification & Management (2 hours)

Module: 7 Diseases of honey bees- Pathogenicity & Control (2 hours)

Module: 8 Bee Products (2 hours)

Honey, Bees wax, Royal jelly, Bee bread, propolis, bee venom

Module : 9 Practical sessions on Apiculture (5 hours)

Module 10: Apiculture : Value added products

Preparation of value added products (Honey,wax,soap,cosmetics)



KRISHNA PRABHA K.S
ASSISTANT PROFESSOR
HOD, Department of Zoology
MES Keveeyam College
Valanchery-676 552

TIME TJMLE FOR THE SHORT TREM COURSE (29-1-2024 to 9-3-2024)

DATE	NAME OF FACULTY ENGAGING THE CLRS	TIME
29/1/24	JK	3.30 to 4.30
30/1/24	KSK	3.30 to 4.30
31/1/24	JK	3.30 to 4.30
1/2/24	JM	3.30 to 4.30
2/2/24	RA	3.30 to 4.30
5/2/24	RM	3.30 to 4.30
6/2/24	JK	3.30 to 4.30
7/2/24	RA	3.30 to 4.30
8/2/24	VJ	3.30 to 4.30
9/2/24	JK	3.30 to 4.30
12/2/24	KSK	3.30 to 4.30
13/2/24	RA	3.30 to 4.30
14/2/24	JM	3.30 to 4.30
15/2/24	JM	3.30 to 4.30
16/2/24	RA	3.30 to 4.30
19/2/24	JK	3.30 to 4.30
20/2/24	VJ	3.30 to 4.30
21/2/24	JM	3.30 to 4.30
22/2/24	RA	3.30 to 4.30
23/2/24	VJ	3.30 to 4.30


KRISHNA PRABHA K.S
ASSISTANT PROFESSOR
HOD, Department of Zoology
MES Keveevam College

26/2/24	JM	3.30 to 4.30
27/2/24	RM	3.30 to 4.30
28/2/24	VJ	3.30 to 4.30
29/2/24	JM	3.30 to 4.30
1/3/24	KSK	3.30 to 4.30
4/3/24	RM	3.30 to 4.30
5/3/24	KSK	3.30 to 4.30
6/3/24	RM	3.30 to 4.30
7/3/24	KSK	3.30 to 4.30

Teachers in Charge

KSK: Krishna praha(4Hr)

JM: Jasla Mol (5Hr)

RM: Reshmi 4Hr)

JK: Jisha Krishnan (4Hr)

VJ: Vijithra (4Hr)

RA: Rasheeda (5 hrs)


KRISHNA PRABHA K.S
 ASSISTANT PROFESSOR
 HOD, Department of Zoology
 MES Keveeyam College
 Valanchery-676 552

FEBRUARY 2024 - ATTENDANCE

REGISTER NO	NAME	1	2	3	4	5	8	9	10	11	12	13	14	15	16
230101	SHIBILI SHOUKKATH.P														
230102	ANSHIFA T														
230103	ASHEEKA FAHIMA														
230104	ASNA JABIN.P														
230105	AYISHA NIFLA CV														
230106	DHILFA. A														
230107	FATHIMA SAFA. P.T														
230108	FATHIMA SANA. K. K														
230109	FATHIMATHUL ANSILA.P														
230110	MUBASHIRA M														
230111	NASREEN. P.K														
230112	NIDA RAHMA.M.P														
230113	NIMRA FEBIN														
230114	NIYA PARVEEN.P.V														
230115	RAMEESHA FARVI. A.T														
230116	RASHA FEBIN														
230117	SAHLA P														
230118	SALVA T P														
230119	SANA SAMEER. T														
230120	SHABAMOL. V.K														
230121	SHAHANA FIDA														
230122	SHIFNA K T														
230123	SUHANA LUBNA P K														
230124	UMAIRA.P.K														
230125	DEEPAK RAJ. M														
230126	AFRIN. E														
230127	ATHIRA UNNI.K.P														
230128	JYOTHIKA .M.K														
230129	NAJIYA NASRIN P P														
230130	SAYYIDATH AYISHA AFLAHA														
230131	ADITHYAN K.U.														

KRISHNA BABHA K.S
 ASSISTANT PROFESSOR
 HOD, Department of Zoology
 MES Keveeyam College
 Melancherry, CTC-55

SI NO	Register NO	NAME OF THE STUDENT	STUDENT ATTENDANCE											
			FEBRUARY		MARCH									
			25	28	1	2	5	8	12	14	15	19	21	23
1	230101	SHIBILI SHOUKKATH.P												
2	230102	ANSHIFA T												
3	230103	ASHEEKA FAHIMA												
4	230104	ASNA JABIN.P												
5	230105	AYISHA NIFLA CV												
6	230106	DHILFA. A												
7	230107	FATHIMA SAFA. P.T												
8	230108	FATHIMA SANA. K. K												
9	230109	FATHIMATHUL ANSILA.P												
10	230110	MUBASHIRA M												
11	230111	NASREEN. P.K												
12	230112	NIDA RAHMA.M.P												
13	230113	NIMRA FEBIN												
14	230114	NIYA PARVEEN.P.V												
15	230115	RAMEESHA FARVI. A.T												
16	230116	RASHA FEBIN												
17	230117	SAHLA P												
18	230118	SALVA T P												
19	230119	SANA SAMEER. T												
20	230120	SHABAMOL. V.K												
21	230121	SHAHANA FIDA												
22	230122	SHIFNA K T												
23	230123	SUHANA LUBNA P K												
24	230124	UMAIRA.P.K												
25	230125	DEEPAK RAJ. M												
26	230126	AFRIN. E												
27	230127	ATHIRA UNNI.K.P												
28	230128	JYOTHIKA .M.K												
29	230129	NAJIYA NASRIN P P												
30	230130	SAYYIDATH AYISHA												
31	230131	ADITHYAN K.U.												
32	230132	MOHAMMED NISHAD. C. P												
33	230133	PAVAN A V SUDHEER												
34	230134	YADUKRISHNA VILAKKEERI												
35	230135	ANJANA C												
36	230136	FATHIMA SALHA												
37	230137	MINHA T V												
38	230138	NANDHANA V												
39	230139	NILOOFAR . P . P												
40	230140	NISHA RENIN												

KRISHNA PRABHA K.S
 ASSISTANT PROFESSOR
 HOD, Department of Zoology
 MES Kuvempu University, Shimoga

MESKVEEYAM COLLEGE VALANCHEY

Acs /2022-23/01 SUSTAINABLE BEE KEEPING FOR BEGINNERS

2023-24

MAXIMUM WEIGHTAGE: 70

Time : 3 HRS

Answer all questions

(4x1=4)

1. Define Propolis ?
2. What is Royal Jelly ?
3. Father of modern Bee science?
4. Name the causative agent of Nosema of Adult Honey bee?

Answer all questions

(4x4=16)

5. Write down the modern methods for the extraction of Honey Bee?
6. What are waggle dance and round dance?
7. What is Nuptial flight? Write any 4 uses of Honey?
8. With neat sketch briefly explain the life cycle of Bombyx mori?

Answer all questions

(5x4=20)

9. Write brief account on Bee pasturage & apiculture as cottage industry
10. Briefly write down the social behavior of Honey bees ?
11. What is Silk? Briefly explain the chemical composition of Silk?
12. What are the different types of bee hives and their structure?

Answer any 2 questions

(5x4=20)

14. Briefly explain the bee keeping equipments ?
15. Briefly explain the modern methods in employing artificial bee hives for cross pollination in horticulture plants?
16. Write down the diseases, causative agents, symptoms and management of natural enemies of Honey bees?

DEPARTMENT OF ZOOLOGY

CERTIFICATE COURSE RESULT 2023-24

SL.NO.	REG.NO.	NAME	GRADE
1	230101	SHIBILI SHOUKKATH.P	A
2	230102	ANSHIFA T	A
3	230103	ASHEEKA FAHIMA	A
4	230104	ASNA JABIN.P	A
5	230105	AYISHA NIFLA CV	A
6	230106	DHILFA. A	A
7	230107	FATHIMA SAFA. P.T	A
8	230108	FATHIMA SANA. K. K	A
9	230109	FATHIMATHUL ANSILA.P	A
10	230110	MUBASHIRA M	B
11	230111	NASREEN. P.K	A
12	230112	NIDA RAHMA.M.P	B
13	230113	NIMRA FEBIN	B
14	230114	NIYA PARVEEN.P.V	B
15	230115	RAMEESHA FARVI. A.T	A
16	230116	RASHA FEBIN	A
17	230117	SAHLA P	A
18	230118	SALVA T P	A
19	230119	SANA SAMEER. T	B
20	230120	SHABAMOL. V.K	A
21	230121	SHAHANA FIDA	A
22	230122	SHIFNA K T	A
23	230123	SUHANA LUBNA P K	A
24	230124	UMAIRA.P.K	A
25	230125	DEEPAK RAJ. M	A
26	230126	AFRIN. E	A
27	230127	ATHIRA UNNI.K.P	A
28	230128	JYOTHIKA .M.K	A


KRISTINA PRABHA K.S
ASSISTANT PROFESSOR
HOD, Department of Zoology
M. S. Kevayam College
Valanchery-676 552

29	230129	NAJIYA NASRIN P P	B
30	230130	SAYYIDATH AYISHA AFLAHA	A
31	230131	ADITHYAN K.U.	B
32	230132	MOHAMMED NISHAD. C. P	B
33	230133	PAVAN A V SUDHEER	B
34	230134	YADUKRISHNA VILAKKEERI	B
35	230135	ANJANA C	B
36	230136	FATHIMA SALHA	A
37	230137	MINHA T V	A
38	230138	NANDHANA V	B
39	230139	NILOOFAR . P . P	B
40	230140	NISHA RENIN	A
41	230141	PRASI P V	B
42	230142	RIDA FATHIMA	A
43	230143	RUDRA.V.P	B
44	230144	SAYYIDATH MINHA K P	A
45	230145	SHAHAFINA. K	A
46	230146	SHANIFA . K	A
47	230147	VINAYA M M	B
48	230148	VYSHMA	B


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KVM-CC-23-24/

Certificate

This is to certify that OHILFA-A has successfully completed the certificate course on
“Exploring Apiculture services for Economic Sustainability” conducted by the
Department of ZOOLOGY, MES Keveeyam College, Valanchery
during the academic year 2023-24.


Ms. Jameela M. K
Co-ordinator


Course Facilitator


Head of the Department


Prof. Dr. K. P. Vinod Kumar
Principal

Prof. (Dr.) VINOD KUMAR.K.P
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KVM-CC-23-24/

Certificate

This is to certify that VINAYA M M has successfully completed the certificate course on

"Exploring Apiculture Services for Economic Sustainability" conducted by the

Department of ZOOLOGY, MES Keveeyam College, Valanchery

during the academic year 2023-24.


Ms. Jameela. M. K
Co-ordinator


Course Facilitator


Head of the Department


Prof. Dr. K. P. Vinod Kumar
Principal

Prof. (Dr.) VINOD KUMAR.K.P
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