



STSN GOVERNMENT DEGREE COLLEGE

KADIRI-515591, SRI SATYA SAI DISTRICT. (A.P)

NAAC Accredited with 'B' Grade

PRAPOSAL FOR

CERTIFICATE COURSE IN APICULTURE

DEPARTMENT OF PARAMEDICAL TECHNOLOGY

2022-2023

CERTIFICATE COURSE IN APICULTURE

Department of Paramedical Technology

STSN Govt Degree College Kadiri 515591 Sri Satya Sai (Dist.)

2022-2023

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Kadiri,

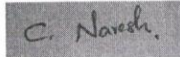
20/11/2022

Departmental Staff Resolution

The Dept. of Paramedical Technology, Govt. Degree College, Kadiri have met in the Departmental Staff room on 20-11-2022 at 2.20 p.m. and made the following resolutions unanimously.

1. It is resolved to conduct a 30 hour Certificate Course in Apiculture.
2. The Certificate course shall be conducted daily from 4.00 p.m. to 5.00 p.m.
3. The certificate course is conducted for the benefit of the UG & PG students of this college and Outsiders.
4. The following faculty member of the Department shall act as resource person.

1. C.Naresh Lecturer in Paramedical Technology



2. Dr.D.Adinarayana Lecturer in Zoology



Certificate Course in Apiculture
Department of Paramedical Technology
STSN Govt. Degree College Kadiri-515591
Sri Satya Sai (Dist) A.P.

PROPOSAL 2022-2023

1. Title of the Course: Certificate Course in Apiculture

2. Pre-requisites: Under Graduate, Post Graduate

3. Need of the Course:

- ✦ Kadiri constituency is a semi arid area. This type of area has many positives to adopt the horticulture.
- ✦ Honey bees collecting the sap from flowering plants. And also transfer the pollen from one plant to another. This is very helpful to these plants
- ✦ When the deftly skills in this culture nurture by the students this may leads to a livelihood
- ✦ And becomes a lucrative course. Pure honey has demand in the market. Honey is using in preparing medicines, rituals and also a healthy food.

4. Target Group:

- ✦ UG Students of Govt. Degree College
- ✦ UG Students of different colleges in and around Kadiri.

5. Aim of the Course:

This certificate course is designed as a lucrative course and augmenting the livelihood capacity of the students.

6. Course Objectives:

- ✦ To obtain knowledge identify the good species in honeybees.
- ✦ Skill of extracting mechanism and using of the instruments.
- ✦ To know about different types of water treatment plants.
- ✦ To understand sampling protocols for various chemicals and materials.

7. Expected Learning Outcomes:

- ✚ Upon successful completion of this course, the student should be able to:
Explain what they need in order to get started in beekeeping

8. Course Design:

Eligibility: Graduate

Course Duration: 30 hours

Resource Person: Faculty member in the Dept. of Paramedical Technology

9. Course Content:

Chapter-1

Introduction/Basics of Apiculture (12 hours)

1.1.1. Definition, Scope of Apiculture, Honey Bee Classification, Bee Colony

1.1.2. Present status of Apiculture in India

1.1.3. Types of Honey Bees, Bee Colony Mouth parts, Fore legs, Mid Legs,

Hind Legs, Wings, Sting

Chapter-2

Artificial hive structure (10 hours)

2.1.1. Bee Keeping, Honey bee nests, Ancient hives, Traditional hives

2.1.2. Primitive Hives, Modern Hives

2.1.3. Producing high yielding varieties of Honey Bees

Chapter-3

Essential Equipment's & Honey Bees Management (8 hours)

3.1.1. Bee-Keeping Equipments, Honey Extractor, Comb, Smoker, Hive types.

3.1.2. Honey Bees Management.

Chapter-4

Honey Bees-Insecticide poisoning

4.1.1. Insecticide affected Honey Bee's Characters.

4.1.2. Precautions to reduce the Insecticide effect on Honey Bees.

4.1.3. Caring of Insecticide effected Colonies.

Chapter-5

Diseases to Honey bees & Marketing strategies (10hours)

5.1.1 .Pests and Parasites, Bacterial diseases, fungal diseases, viral diseases and its treatment, Preventive measures.

5.1.2. Uses of Honey

5.1.3.. Marketing strategies of Honey

List of Practical's

1. Identification of different bee species.
2. Processing of Honey Extraction.

1. Course Evaluation

a. Online Examination Method

- i. MCQ-20%
- ii. Assignments -20% [Cumulative]

b. Off Line Examination Method

- i. Mid-term test -20%
- ii. Semester-end examination - 40%

C. Nank
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KADIRI - 515 591
Sri Sathya Sai (Dist).

Permission letter to conduct Certificate Course – 2022-23

From
C. Naresh
Department of Paramedical
Technology
S.T.S.N GDC,
Kadiri,

To
The Principal,
S.T.S.N GDC,
Kadiri,

Respected Principal,

Subject: Permission to conduct **Certificate Course on Apiculture** in the academic year-2022-23

The Department of Paramedical Technology at S.T.S.N. Government Degree College, Kadiri, kindly requests your permission to conduct a Certificate Course in Apiculture in the academic year 2022-23.

The proposed schedule for the Certificate Course is 1.12.2022 to 5.1.2023, and we plan to hold the sessions within the college premises. We seek your approval to utilize the college facilities for this purpose, and we assure you that we will adhere to all college regulations and guidelines.

Thank you for considering our request.

*Recommended.
and appreciations.*

S. Sathya Sai
PRINCIPAL
STSN Govt. DEGREE COLLEGE
KADIRI - 515 591
Sri Sathya Sai (Dist.)
26/11/22

Yours faithfully,

C. Naresh
Lect in paramedical
LECTURER IN.....
STSN Govt. DEGREE COLLEGE
KADIRI - 515 591
Sri Sathya Sai (Dist.)

CERTIFICATE COURSE IN APICULTURE
DEPARTMENT OF PARAMEDICAL TECHNOLOGY
STSN GOVT DEGREE COLLEGE KADIRI
SRI SATYA SAI DISTRICT, AP.

Notification for Admission

25/11/2022

Applications are invited from the eligible candidates for admission into the Certificate Course in Apiculture for the year 2022-2023

Eligibility: Intermediate/Graduate in any discipline.

Duration of Course: 30 Hours

Admission Process: The prescribed application form for the Admission is available in the Department. The filled in applications shall be submitted to the Course Coordinator, Certificate course in Apiculture, Department of Paramedical technology, STSN Govt. Degree College, Kadiri Sri Satya Sai (Dist). Defective applications and applications received after the prescribed date will summarily be rejected and fee once paid will not be refunded or adjusted for any other purpose.

The admission schedule:

Last date of receipt of application: 30-11-2022

Class Details: Classes of the course shall be conducted on working days between 1-12-2022 and 5-1-2023, daily one hour from 4.00 pm to 5.00 pm.

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Sri Sathya Sai (Dist).

CERTIFICATE COURSE IN APICULTURE

DEPARTMENT OF PARAMEDICAL TECHNOLOGY

STSN GOVT DEGREE COLLEGE KADIRI

SRI SATYA SAI DISTRICT, AP.

List of Students

Admission Number	Name of the Student	Address	Signature of the Student
1.	B. SUJATHA	II CZPMT S.T.S.N GDC Kadiri	B. Sujatha.
2.	C. CHARANTEJA	II CZPMT S.T.S.N GDC Kadiri	C. Charanteja.
3.	D. KRISHNAVENI	II CZPMT S.T.S.N GDC Kadiri	D. Krishnaveni
4.	G. PALLAVI	II CZPMT S.T.S.N GDC Kadiri	G. Pallavi
5.	G. GANESH	II CZPMT S.T.S.N GDC Kadiri	G. Ganesh
6.	G. SOMASEKHAR	II CZPMT S.T.S.N GDC Kadiri	G. Somasekhara
7.	G. RAJESWARI	II CZPMT S.T.S.N GDC Kadiri	G. Rajeswari
8.	K. VISWANATH	II CZPMT S.T.S.N GDC Kadiri	K. Viswanath
9.	M. ASHOK	II CZPMT S.T.S.N GDC Kadiri	M. Ashok
10.	P. GAJENDRA NAIDU	II CZPMT S.T.S.N GDC Kadiri	P. Gajendra Naidu
11.	P. BHAVANI	II CZPMT S.T.S.N GDC Kadiri	P. Bhavani
12.	P. HARSHIYA	II CZPMT S.T.S.N GDC Kadiri	P. Harshiya
13.	U. MAMATHA	II CZPMT S.T.S.N GDC Kadiri	U. Mamatha
14.	K. AKHILA	III CZPMT S.T.S.N GDC Kadiri	K. Akhila
15.	S. SRIHARI	III CZPMT S.T.S.N GDC Kadiri	S. Srihari
16.	D. SWETHA	II MSc Zoology S.T.S.N GDC Kadiri	D. Swetha
17.	D. VISHNU KUMARI	II MSc Zoology S.T.S.N GDC Kadiri	G. Vishnu Kumari
18.	J. HAREESHA	II MSc Zoology S.T.S.N GDC Kadiri	T. Hareesha
19.	K. LAKSHMI DEVI	II MSc Zoology S.T.S.N GDC Kadiri	K. Lakshmi Devi
20.	N. LAKSHMI PRASANNA	II MSc Zoology S.T.S.N GDC Kadiri	N. Lakshmi Prasanna
21.	S. ROSHINI	II MSc Zoology S.T.S.N GDC Kadiri	S. Roshini
22.	V. REDDAMMA	II MSc Zoology S.T.S.N GDC Kadiri	V. Reddamma

CERTIFICATE COURSE IN APICULTURE
DEPARTMENT OF PARAMEDICAL TECHNOLOGY
STSN GOVT DEGREE COLLEGE KADIRI
SRI SATYA SAI DISTRICT, AP.

Time Table

S.No	Date	Topic covered
1.	01/12/2022	Introduction about Apiculture
2.	02/12/2022	Definition, Scope of Apiculture
3.	03/12/2022	Classification of Honey Bee
4.	05/12/2022	Present status of Apiculture in India
5.	06/12/2022	Types of Honey Bees
6.	07/12/2022	Bee Colony Mouth parts, Fore legs, Mid Legs,
7.	8/12/2022	Bee Colony Mouth parts, Hind Legs, Wings, Sting
8.	9/12/2022	Introduction about Artificial hive structures
9.	10/12/2022	Methods of Bee Keeping
10.	12/12/2022	Honey bee nests, Ancient hives, Traditional hives
11.	13/12/2022	Primitive Hives, Modern Hives
12.	14/12/2022	Producing high yielding varieties of Honey Bees
13.	15/12/2022	Introduction about Bee-Keeping Equipments
14.	16/12/2022	Honey Extractor, Comb, Smoker, Hive types.
15.	17/12/2022	Honey Bees Management
16.	19/12/2022	Introduction about Honey Bees-Insecticide poisoning
17.	20/12/2022	Insecticide affected Honey Bee's Characters
18.	21/12/2022	Precautions to reduce the Insecticide effect on Honey Bees
19.	22/12/2022	. Caring of Insecticide effected Colonies
20.	23/12/2022	Diseases to Honey bees
21.	26/12/2022	Pests and Parasites
22.	27/12/2022	Bacterial diseases, fungal diseases

23.	28/12/2022	viral diseases and its treatment
24.	29/12/2022	Preventive measures in honey bees
25.	30/12/2022	Uses of Honey
26.	31/12/2022	Marketing strategies of Honey
27.	02/1/2023	Products of apiculture industry and its uses
28.	03/1/2023	Qualities of good bee flora
29.	04/1/2023	Quiz
30.	05/1/2023	Final Assessment

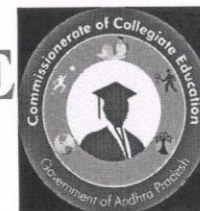
C. Narasimha

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S.T.S.N GOVERNMENT DEGREE COLLEGE

KADIRI, SRI SATYA SAI DIST. AP



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DEPARTMENT OF PARAMEDICAL TECHNOLOGY

Certificate of Participation

This is to certify that Sri/Mr./Miss _____ of I/II/III B.Sc. (CZPMT) has successfully completed Certificate Course with 30 hours in APICULTURE Conducted by the Department/ Wing of PARAMEDICAL TECHNOLOGY STSN Govt Degree College Kadiri, During the Academic Year 2022-2023.

**Course
coordinator**

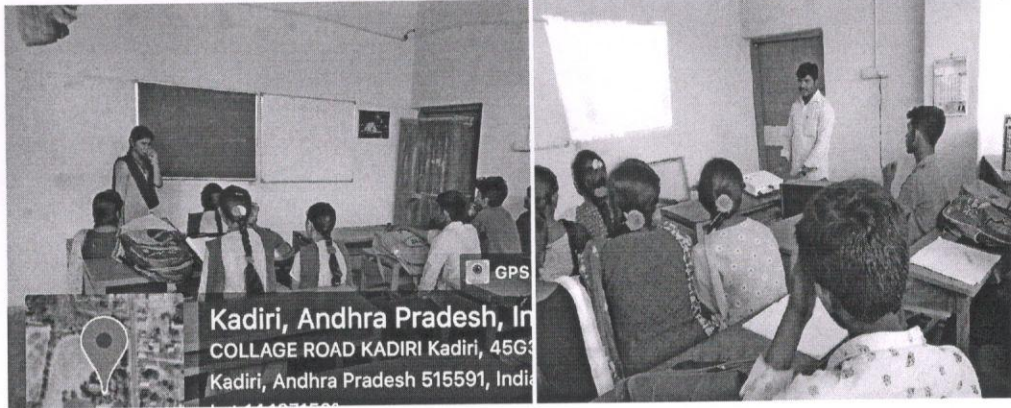
Head of the Department

Principal

CERTIFICATE COURSE IN APICULTURE
DEPARTMENT OF PARAMEDICAL TECHNOLOGY
STSN GOVT DEGREE COLLEGE KADIRI
SRI SATYA SAI DISTRICT, AP.

List of Students

S.no	Name of the Student	1/12	2/12	3/12	5/12	6/12	7/12	8/12	9/12	10/12	12/12	13/12	14/12	15/12	16/12	17/12	19/12	20/12	21/12	22/12	23/12	26/12	27/12	28/12	29/12	30/12
1.	B. SUJATHA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2.	C. CHARANTEJA	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3.	D.KRISHNAVENI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	a
4.	G. PALLAVI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a
5.	G. GANESH	/	/	/	/	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6.	G.SOMASEKHAR	/	a	/	/	/	/	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a
7.	G. RAJESWARI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8.	K. VISWANATH	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9.	M. ASHOK	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10.	P.GAJENDRA NAIDU	/	/	a	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/
11.	P. BHAVANI	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12.	P. HARSHIYA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13.	U. MAMATHA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14.	K.AKHILA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15.	S.SRIHARI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16.	D.SWETHA	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a
17.	D.VISHNU KUMARI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18.	J.HAREESHA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19.	K.LAKSHMI DEVI	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/
20.	N.LAKSHMI PRASANNA	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	a	/	/	/	/	/	/	/
21.	S.ROSHINI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/
22.	V.REDDAMMA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/



Class room Activities

e-Narayana
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