

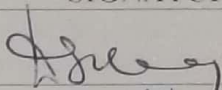
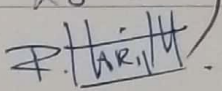
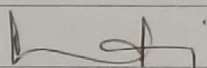
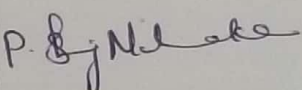
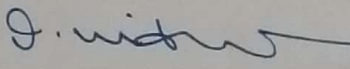

**Dr.V.S.Krishna Govt. Degree College (Autonomous),
Visakhapatnam**

Resolutions/Minutes of the 4th Board of Studies-March 2018

Subject: BIOTECHNOLOGY

Department: BIOTECHNOLOGY

In pursuance of conferment of Autonomous status to Dr.V.S.Krishna Govt. Degree College(A), Visakhapatnam by the UGC vide letter No.F22-1/2011(AC) dated 20.07.2011 from Dr. Manju Singh, Joint Secretary, UGC, New Delhi and Proceedings No. C-II (CDC) /Dr.VSK.Govt.College/BOS/2014 dt.15.04.2014 of The Vice-Chancellor, Andhra University, Visakhapatnam, the 3rd Board of Studies in BIOTECHNOLOGY Subject is conducted on 06-04-2016 at 10:00 AM with the following members. In compliance with the instructions of the Commissioner of Collegiate Education, AP, Hyderabad vide Procs Rc No 05/AcadCell/AC-5/workshop/Autonomy/2014 dt 23-04-2014, the Board of Studies in BIOTECHNOLOGY has approved the syllabus under Choice Based Credit System, changes in the syllabus, Question paper Blue Print and the evaluation system. The Changes will be implemented from 2018-19 academic year onwards.

MEMBER	NAME & DESIGNATION	SIGNATURE
Subject Expert (University Nominee)	Prof. D. Sri Rami Reddy	
Subject Expert (from the Affiliated College)	Dr. R. Haritha	
Representative Member From Industry / Corporate / Allied Area relating to placement		
Member from Alumni		
Head of the Department	Dr. P. Sreevani	
Faculty Members	P. Shiny Niharika Gayatri	
Coordinator, Academic Council	Dr. I. Vijaya Babu Reader in English	
Chairperson, Academic Council	Dr. V. Chandra Sekhar Principal	 6/9/18

Dr.V.S.KRISHNA GOVT. DEGREE COLLEGE (A), VISAKHAPATNAM

DEPARTMENT OF BIOTECHNOLOGY

BOARD OF STUDIES RESOLUTIONS 2018 – 2019 (MINUTES OF THE MEETING)

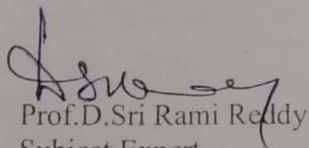
BOS RESOLUTIONS ADOPTED

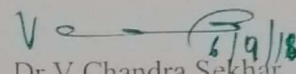
The Board of Studies of the Department of BIOTECHNOLOGY met on **06.09.2018** at **11.00 AM** under the Chairmanship of Dr.V.Chandra Sekhar and resolved the following:

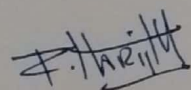
- 1) To implement the Autonomous Education System as per the Staff Councils proceedings commencing from the academic year 2014 – 2015 for the admitted 1st Year Degree students batch of 2014 – 2015 only.
- 2) To approve and introduce the newly framed syllabus (modified and approved by the BOS) for the 1st Year B.Sc. Degree course in Biotechnology. The newly framed syllabus is oriented in such a fashion that it caters the needs of the student and to meet the present day job employability and to develop professionalism in the field of Biotechnology.
- 3) To approve and ratify the 1st and 2nd Semester syllabus of 1st Year degree Biotechnology for the batch admitted in 2014 – 2015; also approved and ratified the 3rd, 4th, 5th and 6th semesters syllabus for the academic years ~~2018~~ – **18** & ~~2018~~ – **19**.
- 4) To ratify and introduce the semester mode pattern of examinations for the 1st Year students (Biotechnology, Botany and Chemistry & Microbiology, Biotechnology and Chemistry groups). Further it is approved and ratified the model question papers submitted by the concerned faculty members for all semesters. Out of 100 marks in each semester, 75 are for theory external examination and 25 marks for internal assessment, of which 20 marks are provided for evaluation of conducting and taking average of two mid semester examinations and 5 marks are fixed for assignments/Viva-Voce. Practical examinations will be conducted by the external examiners, at the end of each academic year for 100 marks.
- 5) To conduct seminars, workshops, symposia, field visits and organizing exhibitions etc., to inculcate and create new ideology among the students.
- 6) To encourage students to take up independent research projects at their level by providing facilities.
- 7) To adopt NAAC norms by introducing quality circles among student community.
- 8) To develop infrastructure facilities in the department and implement guidelines of the Academic Council.

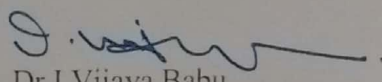
- 9) To take up innovative teaching (ICT mode of teaching) and evolve techniques that are easily understandable by the students and conduct remedial coaching to the below average students.
- 10) Considering the current needs of the students, it is resolved to incorporate basic and fundamental aspects like mutations in Genetics for 1st Year students in I semester, enzyme kinetics and staining procedures under basic applied microbiology for 2nd year students in III semester, applied aspects like r-DNA products, Haploid plant production, Immuno-diffusion tests like ELISA & RA, Bioreactor – classification and applications for 3rd Year students in V & VI semesters.
- 11) It is also resolved to establish a well maintained laboratory for the practical purpose.
- 12) To encourage students to join JKC to equip with communication skills and improve their personality development.
- 13) To encourage students to participate in the community development activities such as Haritha Krishna Eco Club, NCC and NSS.
- 14) To introduce certificate course Mushroom Culture.


Signed and approved by


Prof.D.Sri Rami Reddy
Subject Expert
(Univ. Nominee)


Dr. V. Chandra Sekhar
Chairperson/Principal


Dr.R.Haritha
Subject Expert
(from the Affiliated College)


Dr.I.Vijaya Babu
Academic Coordinator
Reader in English


Dr.P.Srivani
In-charge Head of the Department
Dept. of Biotechnology

SEMESTER VI
Certificate Course – MUSHROOM CULTURE

UNIT I: Introduction to Mushrooms:

12 Hrs

- 1.1 What are Mushrooms.
- 1.2 Magnitude of Mushroom Species.
- 1.3 Ecological Importance of Mushrooms.
- 1.4 Collection and Classifications of Mushrooms.
- 1.5 Problems in Cultivation in Developing Countries.
- 1.6 Prospects for Mushroom Cultivation in Developing Countries.

UNIT II: The Nutritional Attributes and Medicinal Values of Edible Mushrooms: 6 Hrs

- 2.1 Nutritional Attributes.
- 2.2 Medicinal Mushrooms.
- 2.3 General Considerations.

UNIT III: Substrated and Mycelial Growth and Culture Preservation and Effects of Environment, Nutritional and Chemical Factors.

12 Hrs

- 3.1 General Nutritional Requirements for Mushroom Growth.
- 3.2 Preparation of Substrate.
- 3.3 Development of Fruiting Bodies.
- 3.4 Environmental Factors and Fruiting.
- 3.5 Nutritional Factors and Fruiting.
- 3.6 Chemical Factors and Fruiting.

UNIT IV: Mushroom Formation: Effect of Pests and Diseases in Mushroom Cultivation:

12 Hrs

- 4.1 Viral Diseases.
- 4.2 Bacterial Diseases.
- 4.3 Fungal Diseases.
- 4.4 Nematode Diseases.
- 4.5 Insect Diseases.

4.6 Activity of Mites in Mushroom Cultivation.

UNIT V: Type Study:

18 Hrs

5.1 *Volveriella* – A High Temperature Cultivated Mushroom.

Dr. V.S. Krishna Government Degree College (A)
Department of Biotechnology
SEMESTER VI
Certificate Course
(MUSHROOM CULTIVATION)

Time: 3 hrs

Max Marks: 100

Section – A

Answer ALL questions

5x20 = 100 Marks

1. a) Give the Prospects for Cultivating Mushrooms in Developing Countries.
OR
b) Briefly give the Economic Importance of Mushrooms.
2. a) Give the Medicinal Values of Mushrooms.
OR
b) Give the Nutritional Values of Mushrooms.
3. a) How is Substrate Prepared for Mushroom Culture?
OR
b) What are the effects of Various Chemical Factors on Fruiting Bodies of Mushrooms?
4. a) Give the Various nematode Diseases in Mushroom Cultivation.
OR
b) What are the Insect Diseases that Destroy the Crop of Mushrooms?
5. a) How is Substrate Prepared for the Cultivation of *Volvariella*?
OR
b) What are the Various Diseases of *Volvariella*?

DR. V.S. KRISHNA GOVT. DEGREE COLLEGE (A), VISAKHAPATNAM
III B.Sc. BIOTECHNOLOGY, SEMESTER VI
COURSE VI – MUSHROOM CULTURE
BLUE PRINT FOR QUESTION PAPER SETTER

TIME: 3HRS

MAX MARKS: 100

UNIT NO. & NAME	ESSAY ANSWER QUESTIONS 8 MARKS	MARKS ALLOTTED TO THE UNIT
UNIT I	02	40
UNIT II	02	40
UNIT	02	40
UNIT IV	02	40
UNIT V	02	40
Total No. of Questions	10	10
TOTAL MARKS INCLUDING CHOICE	200	200

- NOTE:** 1. The Question paper setters are requested to kindly adhere to the format given in the table.
2. The Question paper setters are also requested to set the questions in the following way:
- a. 80% of questions – memory and understanding based.
 - b. 20% of questions – Creativity, application and skill based.



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)



(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss A. Anusadha of

BT-B-C has successfully completed the Add - on Course Mushroom Culture with

Regd No. EL6204001 Organized by the Department of Biotechnology in

collaboration with.....during year 2018 - 2019 . He / She has passed the course with

'B' grade.

Course Coordinator

PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)



(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)
MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss G. Chandramma of

III BT-B-C has successfully completed the Add - on Course Mushroom Culture with

Regd No. E16204003 Organized by the Department of Biotechnology in

collaboration with..... during year 2018 - 2019 . He / She has passed the course with

'B' grade.

Course Coordinator

PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)




(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

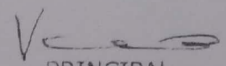
MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss Devendra Achari of
..... II BT-B.C has successfully completed the Add - on Course Mushroom Culture with
Regd No. E16204004 Organized by the Department of Biotechnology in
collaboration with during year 2018 - 2019 . He / She has passed the course with
..... 'B' grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)



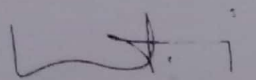
(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

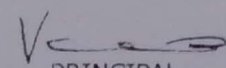
MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss M. Eswara Rao of
BT.B.C has successfully completed the Add - on Course Mushroom Culture with
Regd No. E.16204005 Organized by the Department of Biotechnology in
collaboration with.....during year 2018 - 2019 . He / She has passed the course with
'B' grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)



(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019


This is to certify that Mr. / Miss D. Thansi Lakshmi of

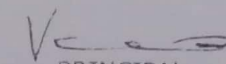
II BT.B.C has successfully completed the Add - on Course Mushroom Culture with

Regd No. E16204007 Organized by the Department of Biotechnology in

collaboration with.....during year 2018 - 2019 . He / She has passed the course with

'B' grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)



(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019


This is to certify that Mr. / Miss V. kishore

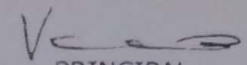
..... 111 BT.B.C.....has successfully completed the Add - on Course Mushroom Culture..... with

Regd No. F16204010.....Organized by the Department of.....Biotechnology..... in

collaboration with.....during year 2018 - 2019 . He / She has passed the course with

.....'B'.....grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)



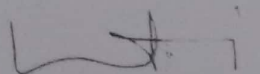
(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)


MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss T. Raja Rajeswari of
III BT.B.Chas successfully completed the Add - on Course Mushroom Culture..... with
Regd No. E16204015.....Organized by the Department of Biotechnology..... in
collaboration with.....during year 2018 - 2019 . He / She has passed the course with
'B'.....grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)




(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

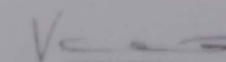
MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss A. Sai kumar of
III BT-B-C has successfully completed the Add - on Course Mushroom Culture with
Regd No. E16204017 Organized by the Department of Biotechnology in
collaboration with..... during year 2018 - 2019 . He / She has passed the course with
'B' grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)



(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019


This is to certify that Mr. / Miss J.V. Santhosh.. kumar.....of

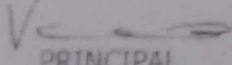
111 BT.B.C.....has successfully completed the Add - on Course Mushroom Culture..... with

Regd No. E16204018.....Organized by the Department of Biotechnology..... in

collaboration with.....during year 2018 - 2019 . He / She has passed the course with

'B'.....grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)




(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)


MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss P. Sravani of
III BT-B-C has successfully completed the Add - on Course Mushroom Culture with
Regd No. E16204020 Organized by the Department of Biotechnology in
collaboration with..... during year 2018 - 2019 . He / She has passed the course with
'B' grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)




(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)


MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss K. Chaitanya Kumar of
U MB-BT-C has successfully completed the Add - on Course Mushroom Culture with
Regd No. E16205001 Organized by the Department of Bio-technology in
collaboration with.....during year 2018 - 2019 . He / She has passed the course with
'B' grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)



(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss P. Devi

III MB-BT-Chas successfully completed the Add - on Course Mushroom Culture..... with

Regd No... E16205002 Organized by the Department of Biotechnology..... in

collaboration with.....during year 2018 - 2019 . He / She has passed the course with

'B'.....grade.

Course Coordinator

PRINCIPAL

Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)



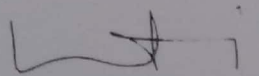
(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

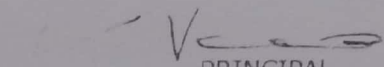
MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss K. Dharm Tejaof
II MB. BT. Chas successfully completed the Add - on Course Mushroom Culture..... with
Regd No. E16205003 Organized by the Department of Biotechnology..... in
collaboration with.....during year 2018 - 2019 . He / She has passed the course with
'B'.....grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)




(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

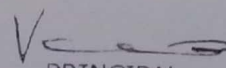
MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

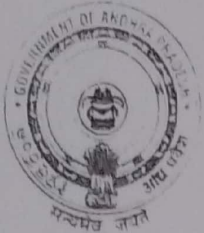
ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss U. Dheena of
II MB-BT-C has successfully completed the Add - on Course Mushroom Culture with
Regd No. E.16205004 Organized by the Department of Biotechnology in
collaboration with..... during year 2018 - 2019 . He / She has passed the course with
'B' grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)



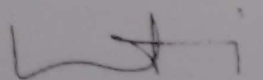
(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)


MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss K. Geetha of
II MB.Bt.C has successfully completed the Add - on Course Mushroom Culture with
Regd No. E16205005 Organized by the Department of Biotechnology in
collaboration with during year 2018 - 2019 . He / She has passed the course with
'B' grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)



(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss T. Magna of
II MB-BT-C has successfully completed the Add - on Course Mushroom Culture with
Regd No. E16205009 Organized by the Department of Biotechnology in
collaboration with during year 2018 - 2019 . He / She has passed the course with
'B' grade.

Course Coordinator

PRINCIPAL

Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)



(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

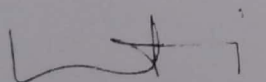
This is to certify that Mr. / Miss P. Renuka .. of

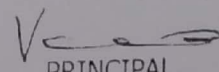
U MB-BT-Chas successfully completed the Add - on Course Mushroom Culture..... with

Regd No. E16005015Organized by the Department of Biotechnology..... in

collaboration with.....during year 2018 - 2019 . He / She has passed the course with

'B'.....grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)




(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

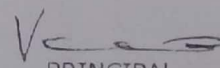
MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss R. Revathi of
..... II MB.BT.C has successfully completed the Add - on Course Mushraom Culture with
Regd No. E16205D16 Organized by the Department of Biotechnology in
collaboration with..... during year 2018 - 2019 . He / She has passed the course with
'B' grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)



(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss R. Sai Sri of

II MB.BT-C has successfully completed the Add - on Course Mushroom Culture with

Regd No. E16205018 Organized by the Department of Biotechnology in

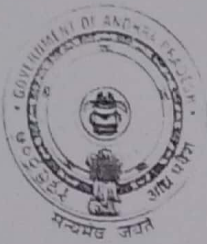
collaboration with.....during year 2018 - 2019 . He / She has passed the course with

'B' grade.

Course Coordinator

PRINCIPAL

Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)




(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

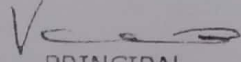
MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss O. Sohail of
III MB-BT-C has successfully completed the Add - on Course Mushroom Culture with
Regd No. E16205020 Organized by the Department of Biotechnology in
collaboration with during year 2018 - 2019 . He / She has passed the course with
'B' grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)




(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)


MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss N. Swami of
MB BT-C has successfully completed the Add - on Course Mushroom Culture with
Regd No. E16205021 Organized by the Department of Biotechnology in
collaboration with.....during year 2018 - 2019 . He / She has passed the course with
'B' grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)




(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

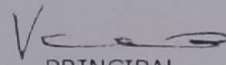
MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss S. Thanujaof
MB-BT-Chas successfully completed the Add - on Course Mushroom Culture..... with
 Regd No. E16205022.....Organized by the Department of Biotechnology..... in
 collaboration with.....during year 2018 - 2019 . He / She has passed the course with
'B'.....grade.


 Course Coordinator


 PRINCIPAL
 Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)




(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

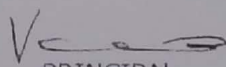
MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss S. Uma of
..... III MB-BT-C has successfully completed the Add - on Course Mushroom Culture with
Regd No. E16205023 Organized by the Department of Biotechnology in
collaboration with during year 2018 - 2019 . He / She has passed the course with
..... 'B' grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)




(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

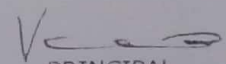
MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss Ch. Usha Raniof
U MB-BT-Chas successfully completed the Add - on Course Mushroom Culture..... with
Regd No. E16205024Organized by the Department of Biotechnology..... in
collaboration with.....during year 2018 - 2019 . He / She has passed the course with
'B'.....grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)




(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)


MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss S. Vanajaof
..... II MB-BT-Chas successfully completed the Add - on Course Mushroom Culture with
Regd No. E16205025Organized by the Department of Biotechnology in
collaboration with.....during year 2018 - 2019 . He / She has passed the course with
..... 'B'grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)



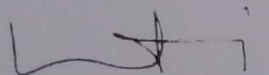
(NAAC REACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)


MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss P. Yasodha Krishna of
VI MB:BT.C has successfully completed the Add - on Course Mushroom Culture with
Regd No. E16205026 Organized by the Department of Biotechnology in
collaboration with.....during year 2018 - 2019 . He / She has passed the course with
'B' grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)

04-02-2019 to 31-03-2019

2018-2019

SEM-VI

BT.BC&

MB.BT-C

Mushroom culture.

S.No	Name of the student	Id. Number	Marks obtained.
1.	A. Anuradha	E16204001	36
2	G. Chandramma	E16204003	41
3	Devendra Achari	E16204004	40
4	M. Eswara Rao	E16204005	43
5	D. Jhansilakshmi	E16204007	46
6	B. Kishore	E16204010	32
7	T. Rajarajewari	E16204015	39
8	A. Sai Kumari	E16204017	41
9	J.V. Santhosh Kumar	E16204018	46
10	P. Sarani	E16204020	43
11	K. Chaitanya Kumar	E16205001	41
12	P. Devi	E16205002	46
13	K. Dharma teja	E16205003	37
14	U. Dhena	E16205004	43
15	K. Geetha	E16205005	46
16	T. Magna	E16205009	40
17	P. Renuka	E16205015	38

S.No.	Name of the Student	Id. Number	Marks obtained
18.	R. Revathi	E16205016	43
19.	R. Sai Sri	E16205018	44
20.	O. Soheli	E16205020	46
21.	N. Swami	E16205021	37
22.	S. Thanuja	E16205022	40
23.	S. Uma	E16205023	42
24.	Ch. Usharani	E16205024	43
25.	S. Varaja	E16205025	41
26.	P. Yashoda Krishna	E16205026	46

