



FIRST-YEAR OF BACHELOR OF VOCATIONAL MAJOR SUSTAINABLE AGRICULTURE REVISED SYLLABUS ACCORDING TO CBCS NEP2020

COURSE TITLE: PADDY FARMER II (PRACTICAL)
SEMESTER-II, W.E.F. 2024-2025

**RECOMMENDED BY THE BOARD OF STUDIES IN BVOC (SA) AND
APPROVED BY THE ACADEMIC COUNCIL**

DevrukhShikshanPrasarakMandal's

Nya. TatyasahebAthalye Arts, Ved. S. R. Sapre Commerce, and
Vid. DadasahebPitre Science College (Autonomous), Devrukh.
Tal.Sangmeshwar, Dist. Ratnagiri-415804, Maharashtra, India

Academic Council Item No: _____

Name of the Implementing Institute	:	Nya. Tatyasaheb Athalye Arts, Ved. S. R. Sapre Commerce, and Vid. Dadasaheb Pitre Science College (Autonomous), Devrukh. Tal. Sangmeshwar, Dist. Ratnagiri-415804,
Name of the Parent University	:	University of Mumbai
Name of the Programme	:	Bachelor of Vocation (Sustainable Agriculture)
Name of the Department	:	Science
Name of the Class	:	First Year
Semester	:	Second
No. of Credits	:	02
Title of the Course	:	Paddy Farmer II (Practical)
Course Code	:	B107SAP
Name of the Vertical in adherence to NEP 2020	:	Major and Minor
Eligibility for Admission	:	Any 12 th Pass and/or Diploma in agriculture seeking Admission to Degree Programme in adherence to Rules and Regulations of the University of Mumbai and Government of Maharashtra
Passing Marks	:	40%
Mode of Assessment	:	Formative and Summative
Level	:	UG
Pattern of Marks Distribution for TE and CIA	:	60:40
Status	:	NEP-CBCS
To be implemented from Academic Year	:	2024-2025
Ordinances/Regulations(if any)		

Syllabus for First Year of Bachelor of Vocation in Sustainable Agriculture

(With effect from the academic year 2024-2025)

SEMESTER-II

Paper No.–

Course Title: Paddy Farmer II (Practical)

No. of Credits - 02

Type of Vertical: Major and Minor

COURSE CODE: B107SAP

Learning Outcomes Based on BLOOM's Taxonomy:

After completing the course, the learner will be able to...		
Course Learning Outcome No.	Bloom's Taxonomy	Course Learning Outcome
CLO-01	Remember	Recall the key stages of paddy cultivation including land preparation planting and integrated nutrient management and weed management in paddy.
CLO-02	Understand	Explain the principles behind water management in paddy fields and its importance in crop growth.
CLO-03	Apply	Demonstrate the proper techniques for seed selection, planting, and fertilization in paddy fields.
CLO-04	Analyse	Evaluate different types of weed that afflict paddy crop and propose suitable solutions for common issues.
CLO-05	Evaluate	Assess the environmental impact of paddy cultivation practices and suggest sustainable alternatives.
CLO-06	Create	Develop a comprehensive paddy cultivation plan for a given plot of land, considering soil health, water availability, and climatic conditions.

Syllabus for First Year of Bachelor of Vocation in SA

(With effect from the academic year 2024-2025)

SEMESTER- II

Paper No.–

Course Title: Paddy Farmer II (Practical)

No. of Credits - 02

Type of Vertical: Major and Minor

COURSE CODE: B107SAP

COURSE CONTENT			
Module No.	Content	Credits	No. of Lecture
1	<p>Irrigation Management in Paddy -</p> <ul style="list-style-type: none"> ● Understand the Water requirement for the cultivation of Paddy ● Understand the soil texture, porosity etc ● Understand the effects of seepage/leaching & poor drainage in the field ● Understand the required optimum moisture level required for tillering, panicle initiation and grain filling ● Undertake suitable irrigation method depending on the soil type, variety of paddy & water availability ● Undertake water management at different water depth at different stages of crop ● Understand alternative wetting and drying ● Understand water use efficiency concept 	01	30
2	<p>Harvesting and Post Harvest Management in Paddy</p> <ul style="list-style-type: none"> ● Understand Do's and Don'ts during crop harvesting ● Harvest the crop at appropriate stage & time keeping in consideration crop maturity, moisture content, climatic conditions etc ● Understand and practice the proper method of harvesting and handling of harvested crop ● Understand the importance of Post harvest Management ● Perform threshing, cleaning, drying of the harvested produce ● Understand various methods of storage and their influence on rice quality & cost dynamics 	01	30
	Total	02	60

Required Previous Knowledge

No previous Knowledge is required.

Access to the Course

The course is available for all the students admitted for Bachelor of Vocation (SA) as a Major or a minor. The students seeking admission in other disciplines may select the course as a minor considering the terms and conditions laid down by the University of Mumbai, the Government of Maharashtra, and the college, from time to time.

Forms of Assessment

The assessment of the course will be of Formative and Summative type. At the beginning of the course diagnostic assessment will be carried out. The formative assessment will be used for the Continuous Internal Evaluation whereas the summative assessment will be conducted at the end of the term. The weightage for formative and summative assessment will be 60:40. The detailed pattern is as given below.

Term End Evaluation (30 Marks)

Question Paper Pattern

Time: 1.5 hours

Question No.	Unit/s	Question Pattern	Marks
Q.1	All	Practical Exam	30
Total			30

Internal evaluation (20 Marks)

Sr. No.	Description	Marks
1	Active Participation in teaching learning Process	5
2	Field work	15
Total		20

Grading Scale

The grading scale used is O to F. Grade O is the highest passing grade on the grading scale, and grade F is a fail. The Board of Examinations of the college reserves the right to change the grading scale.