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Shaheed Mangal Pandey Govt. Girls P.G. College, Meerut

Format for syllabus development of Skill development course

Title of course- Certificate Course in Organic Farming	
Nodal Department of HEI to run course	SMP Government Girls PG College , Meerut
Broad Area/Sector-	Life Science
Sub Sector-	Botany/Zoology
Nature of course - Independent / Progressive	INDEPENDENT
Name of suggestive Sector Skill Council	ASCI
Aliened NSQF level
Expected fees of the course – Free
Stipend to student expected from industry
Number of Seats-.....	As per University /NEP 2020 Norms
Course Code-.....	Credits- 03 (1 Theory, 2 Practical)
Max Marks...100..... Minimum Marks.....40	100/40
Name of proposed skill Partner (Please specify, Name of industry, company etc for Practical /training/ internship/OJT	SVBPA University Meerut And As Per The availability of Course requirement
Job prospects-Expected Fields of Occupation where student will be able to get job after completing this course in (Please specify name/type of industry, company etc.)	After successful Completion of this skill development course. The students will get opportunity to make the career in developing kitchen gardens, organic fertilizers, vermicompost and other private fields like development of organic food etc.

Syllabus

Unit	Topics	General/ Skill component	Theory/ Practical/ OJT/ Internship/ Training	No of theory hours (Total-15 Hours=1 credit)	No of skill Hours (Total-60 Hours=2 credits)
I	Unit I: ORGANIC FARMING Introduction Concept and Principles of Organic Farming Benefits of Organic Farming Social aspects of Organic Farming Market aspects of Organic Farming	General	Theory	2	0
II	Unit II: ORGANIC FERTILIZERS Introduction Need of Organic Fertilizer Benefits of Organic Fertilizer Preparation of Organic Fertilizer Demonstration & land preparation	General &Skill	Theory & Practical	2	10
III	Unit III: USE OF MICROORGANISMS IN ORGANIC FARMING Introduction Need of Microorganisms in soil fertility Benefits of Microorganisms in organic farming	Skill	Theory	4	
IV	Unit IV:	General	Theory &	2	10

D	WATER AND SOIL TESTING Different Methods of Water and Soil Testing	& Skill	Online Training		
V	Unit V Methods of increasing soil Fertility Use of cow dung Green Manure Crop rotation Use of vermicompost and preparation of vermicompost Biocontrol and Management of Phytopathogens	Skill	Theory and Practical	3	10
VI	FIELD DEMONSTRATION Feedback & discussion valedictory function	Skill	Theory and Internship	2	30

Suggested Readings: Suggested Readings:

1. Principles of Organic Farming by P.L. Maliwal publication of Scientific Publishers
2. Organic Fertilizers From Basic Concepts to Applied Outcomes Edited by Marcelo L. Larramendy
3. Basics of Organic Farming By Bansal M. by CBS Publisher and Distributors Pvt. Ltd.
4. Textbook of Soil Science-T. Biswas & S Mukherjee
5. Practical Botany (Part 2) ISBN #:81-301-0008-8 Sunil D Purohit, Gotam K Kukda & Anamika Singhvi Edition:2013 Apex Publishing House Durga Nursery Road, Udaipur, Rajasthan (bilingual)
6. ICAR (2015) Soil Health Card, Ministry of Agriculture and Farmers Welfare, Govt. of India
7. Plant Pathology by B.P. Pandey, S. Chand Publication New Delhi

Suggested Digital platforms/web links for reading-

[https://ndl.iitkgp.ac.in/result?q={%22t%22:%22search%22,%22k%22:%22horticulture%22,%22s%22:\[\],%22b%22:%22filters%22:\[\]}&http://heecontent.upsdc.gov.in/](https://ndl.iitkgp.ac.in/result?q={%22t%22:%22search%22,%22k%22:%22horticulture%22,%22s%22:[],%22b%22:%22filters%22:[]}&http://heecontent.upsdc.gov.in/)

Suggested OJT/ Internship/ Training/ Skill partner : SVBPA University Meerut

Suggested Continuous Evaluation Methods: TEST QUIZ , PRESENTATION , PRACTICAL

Course Pre-requisites:

- No pre-requisite required, Passed XII with any stream
- To study this course, a student at least have the subject NA class/12th/ certificate/diploma

Suggested equivalent online courses: <https://www.onlinestudies.com/Courses/Horticulture/>

Any remarks/ suggestions:

Notes:

- Number of units in Theory/Practical may vary as per need
- Total credits/semester-3 (it can be more credits, but students will get only 3credit/ semester or 6credits/ year
- Credits for Theory =01 (Teaching Hours = 15)
- Credits for Internship/OJT/Training/Practical = 02 (Training Hours = 60)

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