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**Format for syllabus development of
Skill development course**

Title of Course:	Certificate in Pisciculture
Nodal Department of HEI to run course:	
Board Area/Sector	Life Science
Sub Sector:	Fisheries/ Agricultural Science
Nature of Course: Independent / Progressive	Independent
Name of suggestive Sector Skill Council	Fishery Industry/ Agriculture Industry
Alienated NSQF level:	6
Expected fees of the course – Fee/ Paid: Paid	
Stipend to student expected from Industry	
Number of Seats :	
Course Code: Will be Provided by the University	Credits- 03(1 Theory, 2 Practical)
Max. Marks : 100 Minimum Marks :	
Name of proposed skill Partner (Please specify; Name of Industry/ Company etc..for Practical/ Training/Internship/ OJT	
Job prospects- Expected fields of occupation where student will be able to get job after completing this course in (Specify name / type of Industry, company etc.)	Fishery Industry

Syllabus					
Unit	Topic	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	Meaning, History, purposes of Pisciculture Economic importance of fishes	General	Theory	2 Hrs	-----
II	Morphology of culturable Fish, Food habits of Fishes, Types of culturable fishes, Basic principles of Pisciculture	General/ Skill component	Theory/ Practical	2 Hrs	20 Hrs
III	Biology of Fresh water & brackish water Pisciculture Induced breeding (Hypophysation techniques, breeding, rearing of eggs,)	General/ Skill component	Theory/ Practical	3Hrs	15 Hrs
IV	Factors affecting Pisciculture, Fish Health Management- Fishery diseases, prevention, and control	General/ Skill component	Theory/ Practical	2 Hrs	5 Hrs
V	Fishing methods; crafts and Gears Fisheries economics and marketing	General/ Skill component	Theory/ Practical	3 Hrs	15 Hrs
VI	Measurement of Physicochemical parameter in Pond, River, and Lake waters	General/ Skill component	Theory/ Practical	3 Hrs	15 Hrs

Suggested Readings : The Freshwater Aquaculture by Mc Larney, William
 Lab Manual to Aquaculture Science Ph.D. Rick Parker, Thomas C. Patterson
 Fish Biology and Fisheries by S.S.Khanna

Suggested Digital platforms/ Web links for reading: Swayam Central <https://swayam.gov.in>
 Diksha <https://diksha.gov.in>

Suggested OJT/ Internship/Training/Skill Partner:

Suggested Continuous Evaluation Methods: Internal Assessment

Course Pre-requisites:

- No pre-requisite is required, open to all
- To study this course, a student must have the subject Science in Class 12th / Certificate/ Diploma
- If progressive, to study this course a student must have passed previous courses of this series. Nil

Suggested equivalent online courses:

Any Remarks / Suggestions:

Notes:

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

Name of the course: “Certificate In Pisciculture”

S.No	Semester			Marks	Credits
Theory		Paper	Topics	50	
I	I Semester	I	*Meaning, History, purposes of Pisciculture *Economic importance of fishes *Morphology of culturable Fish, Food habits of Fishes *Types of culturable fishes, Basic principles of Pisciculture *Biology of Fresh water & brackish water Pisciculture *Induced breeding (Hypophysation techniques, breeding, rearing of eggs,) *Factors affecting Pisciculture *Fish Health Management- Fishery diseases, prevention, and control *Fishing methods; crafts and Gears *Fisheries economics and marketing		3
Practical		Paper		50	
I	I Semester	II	*Measurement of Physicochemical parameter in Pond, River, and Lake waters *Laboratory techniques in Fish nutrition, feed, breeding, rearing; fishing & Marketing.		
			Total	100	