



# Hands-on Training Programmes Proposed to Conduct by MPEDA-RGCA during the Financial Year 2024-25



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## Total No. of Training Programmes Proposed for the Financial Year 2024-25

S. No	Training Programmes	Training Location	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25
1	Hands-on Training Programme on PCR and Its Application in Aquaculture Genetics Research	RGCA-HQ, Sirkazhi, (TN)	5 to 6	15 to 16	6 to 7	25 to 26	8 to 9	26 to 27	17 to 18	28 to 29	12 to 13	6 to 7	4 to 5	18 to 19
2	Hands-on Training Programme on PCR Techniques and its Applications in Aquaculture Pathology	RGCA-HQ, Sirkazhi, (TN)	3 to 4	13 to 14	4 to 5	23 to 24	6 to 7	24 to 25	15 to 16	26 to 27	10 to 11	8 to 9	6 to 7	20 to 21
3	Hands-on training programme on Nursery, Grow-out and cage culture for Asian Seabass	RGCA-HQ, ADF Karaikal	2 to 5	6 to 9	3 to 6	1 to 4	5 to 8	2 to 5	14 to 17	4 to 7	9 to 12	20 to 23	18 to 21	4 to 8
4	Hands-on training programme on Nursery, Grow-out and soft-shell culture of Mud crab	RGCA-HQ, ADF Karaikal	23 to 26	13 to 16	10 to 13	22 to 25	20 to 23	23 to 26	21 to 24	25 to 28	16 to 19	7 to 10	5 to 8	17 to 20
5	Hands-on training programme on Hatchery Production of Cobia	Pozhiyoor, (Kerala)		27 to 30			19 to 22				17 to 20			
6	Hands-on training programme on Cage culture of Marine finfishes	Muttom (TN)				8 to 11			15 to 18				17 to 21	
7	Hands-on training programme on breeding, seed production and grow-out farming of Genetically Improved Farmed Tilapia (GIFT)	Vijayawada (AP)	23 to 27	28 to 01	25 to 29	23 to 27	27 to 31	24 to 28	15 to 19	19 to 23	17 to 21	28 to 01	24 to 28	24 to 28
8	Two Days Hands-on Training Programme on “Artemia Cyst & Biomass Production”	Tuticorin & Uppur (TN)		1 to 2			27 to 28			18 to 19			18 to 19	
9	Two Days Hands-on Training Programme on “Artemia Cyst Processing & Packaging”	Tuticorin & Uppur (TN)		3 to 4			29 to 30			20 to 21			20 to 21	
10	Hands-on training programme on “Hatchery seed production of Asian Seabass” includes livefeed production, Broodstock quarantine, Broodstock maintenance in RAS, larval and nursery rearing of Seabass	Thoduvai (TN)						1 to 30				1 to 30		
11	Hands-on training programme on “Hatchery seed production of Mangrove mud crab	Thoduvai (TN)					1 to 30			1 to 30				
12	Artificial Insemination Techniques used for SPF Black Tiger Shrimp <i>Penaeus monodon</i> with special reference to Broodstock Management, Maturation and Seed Production.	BMC Vizag	23	21	21	19	20	24	22	19	18	22	26	25
13	DNA Extraction from aquatic animal samples. Techniques – Sample Collection and storage, Extraction using kit method, Agarose Gel Electrophoresis, Gel Documentation.	Central Lab, RGCA-HQ, Sirkazhi, (TN)		7		2				5		21		

14	PCR technique and gel electrophoresis. Techniques – Master mix preparation, PCR operation, Agarose Gel Electrophoresis, Gel Documentation	Central Lab, RGCA-HQ, Sirkazhi, (TN)		8		3			24	6		22		
15	Molecular marker - RAPD. Techniques – Master mix preparation, RAPD PCR, Agarose Gel Electrophoresis, Gel Documentation	Central Lab, RGCA-HQ, Sirkazhi, (TN)		9		4			23	7		23		
16	DNA sequence analysis (Demo). Techniques – Electropherogram, DNA sequence Editing, Reverse compliment, Multiple Sequence alignment, FASTA format, BLAST search in NCBI, DNA Barcoding, and Phylogeny tree construction.	Central Lab, RGCA-HQ, Sirkazhi, (TN)		10			21		22		17		19	
17	Water quality testing. Techniques – pH, Ammonia, Salinity, Total Hardness, Carbonate, Bicarbonate, Total Alkalinity, Nitrite, Nitrate, Iron, Calcium, Magnesium, Ca : Mg Ratio	Central Lab, RGCA-HQ, Sirkazhi, (TN)	24		11		22	5			18		20	
18	Real Time PCR for aquaculture disease detection. Techniques – DNA Extraction, DNA Quantification using biophotometer, Master Mix Preparation, Real Time PCR operation, Result interpretation.	Central Lab, RGCA-HQ, Sirkazhi, (TN)	25		12		23	4			19		21	
19	Histology techniques for aquatic animals (Demo only). Techniques – Sample collection, Preservation, Fixation, Embedding, Microtome, Staining, Microscopic observation.	Central Lab, RGCA-HQ, Sirkazhi, (TN)	26		13			3		6				5
<b>Total Training Programmes / Month - wise</b>			<b>9</b>	<b>13</b>	<b>9</b>	<b>10</b>	<b>13</b>	<b>10</b>	<b>10</b>	<b>13</b>	<b>10</b>	<b>10</b>	<b>12</b>	<b>7</b>

\*126 Training programmes

**\*The Training will be conducted as per the schedule mentioned above and during any natural calamities or any emergency situations, the programmes may be re-scheduled.**