DETAILS OF ACTION PLAN OF KVKs DURING 2016-17

(1st April 2016 to 31st March 2017)

1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephon	е	E mail	Website
Krishi Vigyan Kendra, Junagadh Agricultural	Office	FAX	kvk_khpat@yaho	-
University, Adityana Road, Opp. Saint Joseph	0286-2912562	-	<u>o.co.in</u>	
School, Khapat-360579 Dist. Porbandar,			kvkkhapat@jau.in	
Gujarat				

1.2 .a. Name and address of host organization with phone, fax and e-mail

Address	Telepl	none	E mail	Website
	Office	FAX		
Junagadh Agricultural University, Motibaug,	(1)0285- 2671784	(1) 0285-2672004		www.jau.in
Junagadh-362001, Gujarat	(2)0285-2672080-90	(2) 0285-2672653		

1.2.b. Status of KVK website: No

1.2.c. No. of Visitors (Hits) to your KVK website (as on today): NA

1.2.d Status of ICT lab at your KVK: NA

1.3. Name of the Programme Coordinator with phone & mobile no.

Name	Telephone / Contact					
Dr. P. K. Ododro	Office	Mobile	Email			
Dr. R. K. Odedra	0286-2912562	9825280843	rkodedra@jau.in			

1.4. Year of sanction: February 2005

1.5. Staff Position (as on 30 Sept. 2015)

	1.5. Staff Position (as on 30 Sept. 2015)												
SI. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	Programme Coordinator	Dr. K. D. Patel	Programme Coordinator	Horticulture	37400- 67000	8000	23710	24-03-2015	Permanent	Others	9428014409	kdpatel @jau.in	
2	Subject Matter Specialist 1	Dr. R. K. Odedra	IC Programme Coordinator & SMS	Horticulture	15600- 39100	6000	15600	1-06-2009	Permanent	ОВС	9825280843	rkodedra @jau.in	
3	Subject Matter Specialist 2	R. B. Vadher	Subject Matter Specialist	Entomology	15600- 39100	6000	22220	19-08-2006	Permanent	ОВС	9824237767	rbvadher @jau.in	
4	Subject Matter Specialist 3	P. J. Gohil	Subject Matter Specialist	Agronomy	15600- 39100	6000	22220	21-08-2006	Permanent	OBC	9428188120	pjgohil@ jau.in	
5	Subject Matter Specialist4	Mrs. D. S. Thakar	Subject Matter Specialist	Home Sci.	15600- 39100	6000	15600	22-08-2006	Permanent	Others	9909927399	diptithak ar@jau.i n	
6	Subject Matter Specialist5	S. R. Thaker	Subject Matter Specialist	Fisheries	15600- 39100	6000	15600	31-08-2006	Permanent	Others	9924274050	srthaker @jau.in	
7	Subject Matter Specialist6	H. A. Patel	Subject Matter Specialist	Animal Hus.	15600- 39100	6000	15600	06-04-2015	Permanent	Others	9998687479	hapatel @jau.in	
8	Programme Assistant	Vacant	Programme Assistant	-	-		-	-	-	-	-	-	

9	Farm Manager	V. M. Savaliya	Farm Manager	Horticulture	9300- 34800	-	15500 (Fix Pay)	31-03-2015	Permanent	Others	9824886188	-	
10	Computer Programmer	J. J. Naliyapara	Computer Programmer	-	9300- 34800	4400	11750	12-06-2008	Permanent	ОВС	9998698063	-	
11	Accountant / superintende nt	B. S. Bokhariya	Accountant / Superintendent	-	9300- 34800	4400	11750	12-06-2008	Permanent	ОВС	9978055059	-	
12	Stenographer	Vacant	Stenographer	-	-	-	-	-	-	-	-	-	
13	Driver	Vacant	Driver	-	-	-	-	-	-	-	-	-	
14	Driver	Vacant	Driver	-	-	-	-	-	-	-	-	-	
15	Supporting staff	B. M. Vyas	Supporting staff	-	4440- 7440	1650	9240	01-06-2005	Permanent	Others	9825088114	-	
16	Supporting staff	Vacant	Supporting staff	-	-	-	-	-	-	-	-	-	

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	2.451
2.	Under Demonstration Units	0.337
3.	Under Crops	14.66
4.	Horticulture	2.798
5.	Pond	0.344
6.	Others if any	-

1.7. Infrastructural Development:

A) Buildings

		Source of	Stage							
S.		funding		Complete		Incomplete				
No.	Name of building		Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction		
1.	Administrative Building	ICAR	2007	588	30,76,850	-	-	Completed		
2.	Farmers Hostel	ICAR	2008	288	21,02,300	-	-	Completed		
3.	Staff Quarters (6)	ICAR	2007	446	28,38,616	-	-	Completed		
4.	Demonstration Units (2)	-	-	-	-	-	-	-		
5	Fencing	ICAR	2009	500 RM	-	-	-	Completed		
6	Rain Water harvesting system	ICAR	2008	-	-	-	-	Completed		
7	Threshing floor	ICAR	2009	900	-	-	-	Completed		
8	Farm godown	ICAR	2009	129	-	-	-	Completed		
	Other	ICAR			-	-	-			
9	Open Well	ICAR	2015	6 m dia.	5,00,000	-	-	Completed		
10	Implement Shed	RKVY	2011	76.4	3,00,000	-	-	Completed		
11	Training hall	RKVY	2010	191	13,95,200			Completed		

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor (Farmtrac)	2005	380000	-	Good
Bolero Jeep	2005	496000	2,41,795 Km	Good after major repairing
Motor cycle	2010	47000	12310 km	Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Zerox machine	2008-09	124000	Running
R.O. plant	2008-09	24450	Running
Hcl laptop computer	2008-09	47,500	Running
Food processor	2008-09	5,495	Running
Multipurpose bullock drawn pipe frame implement head peace	2008-09	27,500	Running
Rotavator tractor operated	2008-09	96,000	Running
Planter tractor operated	2008-09	44,000	Running
Tractor drawn harrow cum cultivator cum intercultivator frame 86"	2008-09	37,500	Running
Samsung double door refrigerator	2008-09	17,650	Running
Electrolux grill microwave / oven	2008-09	9,580	Running
Panasonic LCD projector	2008-09	103,912	Running
Multi purpose groundnut cum wheat thresher	2008-09	114,000	Running
Cotton shredder	2008-09	242,000	Running
Solar street light	2008-09	28,000	Running
Solar lanterns	2008-09	4,800	Running
Solar cooker	2008-09	3,300	Running
Mobile seed grading unit	2008-09	1,685,000	Running
Decorticators	2008-09	95,850	Running
Winnowing fan	2008-09	8,500	Running
Chaff cutter	2008-09	30,188	Running
High tech sprayer pump	2008-09	1,850	Running
Battery operated sprayer pump	2008-09	4,940	Running

1.8. A). Details of SAC meetings to be conducted in the year

SI.No).	Date
1.	Scientific Advisory Committee	30/01/2016

2. DETAILS OF DISTRICT

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1	Rainfed farming system
2	Irrigated farming (in some areas)
3	Animal Husbandry

2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

a) Soil type

SI. No	. Agro-climatic Zone	Characteristics
1	South Saurashtra	Porbandar district is located between 21° to 22° N latitude and 69° to 70° E longitude.
		Soil: medium black & silty loam with calcareous in nature pH: of the soil is ranging from 7.50 to 8.58
		Water: Ec value up to 8.1 mmho / cm
		Average Rainfall: 903 mm
		Temperature Range: 35.3° C to 16.9 °C

b) Topography

S. No.	Agro ecological situation	Characteristics
1	Shallow black soil with low rainfall	Soil: Sandy clay loam to clay Rainfall: <750 mm
2	Hilly soil with low rainfall	Soil: Sandy clay loam to sandy clay Rainfall: <750 mm
3	Medium black soil with low rainfall	Soil: Sandy clay to clay Rainfall: <750 mm
4	Deep black soil with low rainfall (Ghed)	Soil: clay Rainfall: <750 mm
5	Mix red & black soil with medium rainfall	Soil: Sandy clay loam to clay loam Rainfall: 750-1000 mm

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Sandy clay loam to clay	Rainfall: <750 mm	34241
2	Sandy clay loam to sandy clay	Rainfall: <750 mm	46080
3	Sandy clay to clay	Rainfall: <750 mm	86627
4	Clay	Rainfall: <750 mm	56880
5	Sandy clay loam to clay loam	Rainfall: 750-1000 mm	5707

2.4. Area, Production and Productivity of major crops cultivated in the district (2014-15)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Groundnut	85390	109299	1280
2	Cotton	8905	4452	500
3	Wheat	34505	97496	2825
4	Cumin	26330	17309	650
5	Gram	21570	27609	1280
6	Green gram	11695	7894	675
7	Pearl millet	425	595	1400
8	Castor	3325	6982	2100
9	Forage crops	22310	546495	24500

Source: District agriculture department.

2.5. Weather data (2015-16)

Month	Rainfall (mm)	Temperature ⁰ C		Relative Humidity (%)	
Wonth	Railliali (IIIII)	Maximum	Minimum	Maximum	Minimum
Jan-15	-	27.62	7.72	69.70	41.81
Feb-15	-	29.68	10.78	67.00	44.11
Mar-15	-	31.08	12.53	65.00	45.26
Apr-15	-	32.32	15.98	76.67	60.03
May-15	-	33.45	19.34	79.65	52.26
Jun-15	118.6	31.28	22.05	82.27	75.27
July-15	76.2	31.13	22.16	81.06	76.45

Aug-15	16.0	30.70	22.18	90.42	76.39
Sep-15	76.0	31.19	22.66	84.63	71.50
Oct-15	-	34.91	22.93	95.23	50.87
Nov-15	-	32.90	21.19	55.07	34.03
Dec-15	-	31.05	20.40	58.42	33.39
Total	286.8				

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
Cattle		······································	
Cow	83108	-	-
Buffalo	105346	-	-
Sheep	22649	-	-
Goats 22325		-	-
Pigs	-		
Crossbred	-	-	-
Indigenous	-	-	-
Rabbits	-		
Poultry		·	
Hens	2069	-	-
Desi	-	-	-
Category		Production (Q.)	Productivity
Fish (Reservoir)	10748 (Fisherman)	91513 mt (Capture)	-

^{*}Statical report

2.7 Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Porbandar	Cluster I	Khambhodar Majivana Fatana Sodhana Shingda	Groundnut Wheat Cumin Coriander Sorghum Gram Fenugreek	 White grub and stemrot in groundnut Wilt in cumin & coriander Wilt in gram 	 IPM Improved package of practices IDM Problematic soil Poor quality water
Ranavav	Cluster II	Khijdal Rana Vadvala Bhod Rana Khirasara Aniyari	Groundnut Cotton Sorghum Wheat Cumin Pearl millet	 Pink ballworm in cotton White grub and stemrot in groundnut Wilt in cumin & coriander 	IPM Improved package of practices IDM INM in Horticulture
Kutiyana	Cluster III	Pasvari Segras Bhogsar Mal Baloch	Groundnut Cotton Castor Sorghum Wheat Cumin Gram	 Pink ballworm in cotton White grub and stemrot in groundnut Wilt in cumin & coriander 	 IPM Improved package of practices IDM Problematic soil

2.8 Priority thrust areas

Sr. No	Discipline	Thrust area
1	Crop production	 Improved package of practices Improved varieties Organic farming INM
2	Horticulture	 Improved package of practices for different spices PHT in fruits and vegetable INM in orchards
3	Agriculture Engineering	 Efficient use of water & Ground water recharge PHT and value addition Renewable Energy
4	Plant Protection	 Integrated Pest and Diseases management Storage pest Management Biological control of Pest and Diseases
5	Home science	 Women and child care Skill oriented activities Sewing and embroidery Handicrafts Value addition Fruits and vegetable preservation Preparation of bakery products
6	Fisheries	 Sea weed cultivation Fresh water aquaculture Brackish water aquaculture

3. TECHNICAL PROGRAMME

3. A. Details of targeted mandatory activities by KVK

OFT		FLD		
(1)		(2)		
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers	
10	30	98	355	

Training		Extension Activities		
(3)		(4)		
Number of Courses	Number of Participants	Number of activities	Number of participants	
88	2720	16	7850	

Seed Production (Qtl.)	Planting material	Fish seed prod. (Nos)	Soil Samples
	(Nos.)		
(5)	(6)	(7)	(8)
112	5000	-	500

3. B. Abstract of interventions to be undertaken

				Interventions					
S. No	Thrust area	Crop/ Enterprise	Identified Problem	Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	IPM	Groundnut	White grub	Management of white grub in groundnut	-	Management of white grub in groundnut	-	Diagnostic visit Pamphlet distribution	Supply of insecticide
2	IPM	Cotton	Pink ball worm	-	-	Integrated management of pink ball worm in cotton	-	Diagnostic visit Telephonic help	-

3	Poor	Cumin	Poor quality	Performance of -	-	-	Diagnostic	Seed	
	quality		water	drip irrigation			visit	supply	
	water			with sowing			Pamphlet		
				method in cumin			distribution		

3.1 Technologies to be assessed and refined

A.1 Abstract on the number of technologies to be assessed in respect of **crops**

Thematic areas	Cereals	Oilseed s	Pulses	Commercia I Crops	Vegetables	Fruits	Flower	Plantatio n crops	Tuber Crop s	TOTAL
Varietal Evaluation	-	1	2	-	2	-	-	-	-	5
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	2	2	-	1	-	-	-	-	-	5
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	1	-	-	-	-	-	1
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
TOTAL	2	3	2	2	2	-	-	-	-	11

A.2. Abstract on the number of technologies to be refined in respect of crops

		Oilseed		Commercia				Kitchen	Tuber	
Thematic areas	Cereals	s	Pulses	Commercia I Crops	Vegetables	Fruits	Flower	garden	Crop s	TOTAL
Varietal Evaluation	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-

A.3. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-	-	-
Nutrition Management	1	-	-	-	-	-	-	1
Disease of Management	-	-	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-	-	-
Small Scale income	-	-	-	-	-	-	1	1
generating enterprises								
TOTAL	1	-	-	-	-	-	1	2

A.4. Abstract on the number of technologies to be refined in respect of livestock / enterprises

			_		-		-	
Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-	-	-
Nutrition Management	-	-	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-	-	-
Small Scale income	-	-	-	-	-	-	-	-
generating enterprises								
TOTAL	-	-	-	-	-	-	-	-

B. Details of On Farm Trial

A. On Going

OFT: 1

Title: Management of white grub in groundnut

Problem definition: Low yield and heavy damage due to white grub

Technology Assessed: Integrated Pest Management

Technology Option	Treatments	No. of trails
Farmers practice	Chloropyrihpos @ 4 lit./ha at the time of attack	
Recommended practice	Seed treatment with chloropyriphos @ 25 ml/kg Spraying the trees on bund with carbaryl @ 40 g/15 lit water	3
Intervention	Application of carbofuran 3 G @ 40 kg/ha at the time of sowing Spraying the trees on bund with carbaryl @ 40 g/10 lit water	

Observations:

- Yield (kg/ha)
- White grub population
- Economics

OFT: 2

Title: Effect of seed rate in maintenance of germination in cumin.

Problem definition: Poor germination in cumin.

Technology Assessed: Maintenance of proper germination in cumin.

Technology Assessed	Treatments	No. of trails
T ₁	12-15 kg/ha	3
T ₂	12-15 kg seed/ha (6-8 hrs warm water soaking followed by shed drying and seed treatment with Mencozeb @ 3 gm/kg seed)	

Observations:

- Yield (kg/ha)
- Germination %
- Economics

OFT: 3

Title: Performance of drip irrigation with sowing method in cumin.

Problem definition: Low yield due to sowing method and over irrigation in cumin

Technology Assessed: Drip Irrigation System.

Treatment No.	Technology to be assessed	No. of trials
1	Broad casting method without drip irrigation	
2	Broad casting method with drip irrigation	3
3	Row sowing without drip irrigation	
4	Row sowing with drip irrigation	

Observations:

Yield (kg/ha)

Economics

OFT: 4

Title: Effect of sulphur on yield of summer sesame **Problem definition**: Low yield and oil content in sesame

Technology Assessed: Sulfur nutrition

Technology Option	Treatments	No. of trails
Farmers practice	No sulphur application	
Recommended practice	15-20 kg S/ha as gypsum (100 kg)	_
Intervention	Application of Cosavet 80% G @ 20 kg S/ha	3

Observations:

Yield (kg/ha)

Economics

OFT: 5

Title: Effect of culture density on fish (major carp) production in using cage

in pond.

Problem definition: Low yield due to unawareness of Technologies. **Technology Assessed:** Optimum culture density using cage

Treatment No.	Technology to be assessed	No. of trials
1	1000 No. seed /m ³	
2	2000 No. seed /m ³	1
3	4000 No. seed /m ³	

Observations:

- Yield (kg/ha)
- Survival %
- · Fish growth

OFT: 6

Title: Fattening of baby Lobster using cage for better production.

Problem definition: Low income due to unawareness of Technologies.

Technology Assessed: Optimum culture density using cage

Treatment No.	Technology to be assessed	No. of trials
1	20 No. Lobster /m ³	
2	40 No. Lobster /m ³	1
3	60 No. Lobster /m ³	

Observations:

Yield (kg/ha)

Survival %

Additional income

OFT: 7

Title: Effect of planting geometry on chili

Problem definition: Low yield due to low plant population in chili

Technology Assessed: Planting Geometry

Technology Option	Treatments	No. of trails
Farmers practice	90 x 60 cm spacing	
Recommended practice	75 x 60 cm spacing	3
Intervention	60 x 45 cm spacing	

Observations:

- Plant population
- Yield (kg/ha)
- Economics

OFT: 8

Title: Effect of salt & oil on spoilage of mango pickles

Problem Definition: Spoilage in mango pickle

Technology Assessed: Prevention of spoilage in mango pickles

Objective:

- 1. To prevent spoilage in mango pickle
- 2. To increase self life of mango pickle
- 3. Cost saving

Treatments:

Common ingredients use for all the treatments:- Mango 1 kg, turmeric powder 5 gm, jaggary/sugar 600 gm, fenugreek 50 gm, mustard 30 gm, asafetida (hing) 5 gm, coriander 30 gm, funnel 30 gm, red chili powder 30 gm.

- 1. Salt 12% (120 gm) + Oil 800 ml/ kg mango (General practices)
- 2. Salt 15% (150 gm) + Oil 250 ml/ kg mango (Recommended practices)
- 3. Salt 20% (200 gm) + Oil 200 ml/ kg mango (Refinement)

No. of Replication: - 3 (Farm women)

Observations:-

- 1. Self life (days)
- 2. Colour
- 3. Texture
- 4. Cost

OFT: 9

Title: Evaluation of low cost high calorie and protein diets made from locally available food material

Problem Definition: Mal nutrition in rural children **Technology Assessed:** Balanced nutrition

Objective:

- 1. To study the effect of low cost high calorie diet on the growth of preschool children
- 2. To reduce the mal nutrition in children
- 3. To reduce problem of sickle cell anemia in children

Treatments:

T1 - Control

T2 - Provided by PHC (Different healthy diets in different areas)

T3 - Low cost, high calorie diet prepared from locally available food

Material i. e. soybean, chick pea, and Gud

Duration: 6 months

No. of Replication: - 5 children (3-5 years)

Observations:- Every month

- 1. Height
- 2. Body weight
- 3. Blood test (Hemoglobin)

A. New OFT

OFT: 1

Title: Effect of feeding of mineral mixture + Fertivet tablet in Jafrabadi Buffalos

Problem definition: Long inter calving period in Jafrabadi buffaloes **Technology:** Reducing intercalving period in Jafrabadi buffaloes

Treatments:

- 1. Farmers practice Control
- 2. Mineral mixture (50gm/day)
- 3. Mineral mixture 50 gm/day + Fertivet tablet 1 tablet /day (5 Tables)

No. of Replication: 10 animals

Observations:

- 1. Inter calving period in month
- 2. Average heat

OFT:2

Title: Effect of soil test based fertilizer application in groundnut & cotton

Problem definition: Indiscriminate use of fertilizers by the farmers

Technology: Soil test base fertilizer application

Treatments:

- 1. Farmers' practice of fertilizer application
- 2. Soil test based fertilizer application

No. of Replication: 3 (for each crop)

Observations:

- 1. Yield (kg/ha)
- 2. Economics

3.2 Frontline Demonstrations

A. Details of FLDs to be organized -

SI. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmer s/ demon	Parameters identified
1	Groundnut	GG-20	INM	INM (Micronutrient Grade IV, Biofertilizers)	Micronutrient Grade IV, Biofertilizers		8	20	Deficiency of micronutrient
2	Sesame	GT-3	Varietal evaluation	Improved Variety	seed	Summer -2017	4	10	Low productivity of existing variety
3	Gram	GG-5/3	Varietal evaluation	Improved Variety	seed	Rabi 2016-17	8	20	Low productivity of existing variety
4	Green gram	GM-4	Varietal evaluation	Imp. Variety & Bio fertilizer	seed	Summer 2017	4	10	Low productivity of existing variety
5	Wheat	GW- 366/496	INM	Zinc sulphate @ 20 kg/ha	Zinc sulphate @ 20 kg/ha	Rabi 2016-17	8	20	Deficiency of micronutrient
6	Cumin	GC-4	IDM	IDM (<i>Trichoderma,</i> Mencozeb, Hexaconazole)	Trichoderma , Mencozeb, Hexaconazol e	Nabi 2010 17	8	20	Higher dose chemical pesticides
7	Cotton	Bt. Variety	INM	INM (Micronutrient Grade V, Biofertilizers)	Micronutrient Grade V, Biofertilizers		10	25	Deficiency of micronutrient
8	Vegetables	Available at JAU, Junagadh	Varietal evaluation	Improved variety of 5 crops	Seed	Kharif 2016	5	50	-
9	Vegetables	Available at JAU, Junagadh	Varietal evaluation	Improved variety of 5 crops	Seed	Rabi 2016-17	5	50	-
10	Chick pea	-	Bio-agent	HNPV	Bio-agent HNPV	Rabi16-17	4	10	-
11	Groundnut	-	INM	Savaj Rhiizobium & Phosphate culture	Savaj Rhiizobium & Phosphate culture	Kharif 2016	10	25	Higher dose of chemical fertilizer
12	Wheat	-	INM	Savaj Azotobacter & Phosphate culture	Savaj Rhiizobium & Phosphate culture	Rabi 2016-17	10	25	Higher dose of chemical fertilizer
13	Fisheries	Kappaphy cus	Small Scale income generatin g enterprise s	Sea weed cultivation using net/bamboo	Vegetative Plant	-	10	10	New Technology
		-		Spraying of LSF in groundnut		Kharif 2016	4	10	-
14	Animal Husbandry	-	Nutrient managem ent	Chelated Mineral Mixture		-	-	50	Nutrition deficiency
					Total		98	355	

Сгор	Area (ha)	No. of farmers	
-	-	-	

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	5	-	175
2	Farmers Training	4	-	115
3	Media coverage	-	-	-
4	Training for extension functionaries	-	-	-

C. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Groundnut pod grader	Groundnut	Rabi 16-17	1	5	-	Grading cost

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.		Performance parameters / indicators
Animal	Jafrabadi	50	50	Chelated mineral	Milk production
Husbandry				mixture	
(Buffalo)					

3.3 Training (Including the sponsored and FLD training programmes):

A) ON Campus

	No. of	No. of Participants								
Thematic Area	No. of Courses		Others		SC/ST			Grand		
	Courses	Male	Female	Total	Male	Female	Total	Total		
(A) Farmers & Farm Women										
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming	1	22	-	22	3	-	3	25		
Water management										
Seed production										
Nursery management										
Integrated Crop Management	2	45	5	50	8	2	10	60		
Fodder production										
Production of organic inputs	2	43	5	48	12	-	12	60		
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops										
Off-season vegetables										
Nursery raising	1	15	7	22	5	3	8	30		
Exotic vegetables like Broccoli										
Export potential vegetables										
Grading and standardization										
Protective cultivation (Green Houses, Shade Net etc.)	1	18	2	20	5	-	5	25		
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit							İ			
Management of young plants/orchards							İ			

Debagas Carlo de Idam	-				······································		T T	
Rejuvenation of old orchards								
Export potential fruits				<u> </u>	ļ			
Micro irrigation systems of orchards								
Plant propagation techniques					ļ			
c) Ornamental Plants							ļļ	
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology				1			İ	
Processing and value addition				1				
f) Spices				<u> </u>	<u> </u>		1	
Production and Management technology	2	42	10	52	5	3	8	60
Processing and value addition				- -			+ - +	
g) Medicinal and Aromatic Plants					<u>.</u>			
Nursery management	1			-	.	<u> </u>		
Production and management technology					<u> </u>			
Post harvest technology and value addition								
III Soil Health and Fertility Management					<u>.</u>			
Soil fertility management	<u> </u>				<u> </u>	<u> </u>	+	
, ,				<u> </u>				
Soil and Water Conservation								
Integrated Nutrient Management								
Production and use of organic inputs					ļ			
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								
IV Livestock Production and Management					•			
Dairy Management	3	15	45	60	8	32	40	100
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management	1	15	5	20	7	3	10	30
Feed management								
Production of quality animal products	1	12	10	22	4	4	8	30
V Home Science/Women empowerment	.1				<u> </u>	i	44.	•••••
Household food security by kitchen gardening and nutrition gardening					Ī			
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet	<u> </u>				<u> </u>			
Minimization of nutrient loss in processing					<u> </u>			
Gender mainstreaming through SHGs					<u>.</u>		+	
Storage loss minimization techniques								
Value addition				1	ļ	10	10	60
	2		50	50	-			
Income deneration activities for empowerment of rural	2	-	50	50	-	10	10	
Income generation activities for empowerment of rural	2	-	50 52	50 52	-	13	13	65
Women		-			-			
Women Location specific drudgery reduction technologies		-			-			
Women Location specific drudgery reduction technologies Rural Crafts		-			-			
Women Location specific drudgery reduction technologies Rural Crafts Women and child care		-			-			
Women Location specific drudgery reduction technologies Rural Crafts Women and child care VI Agril. Engineering		-			-			
Women Location specific drudgery reduction technologies Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of micro irrigation systems		-			-			
Women Location specific drudgery reduction technologies Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of micro irrigation systems Use of Plastics in farming practices		-			-			
Women Location specific drudgery reduction technologies Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of micro irrigation systems Use of Plastics in farming practices Production of small tools and implements		-						
Women Location specific drudgery reduction technologies Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of micro irrigation systems Use of Plastics in farming practices Production of small tools and implements Repair and maintenance of farm machinery and implements								
Women Location specific drudgery reduction technologies Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of micro irrigation systems Use of Plastics in farming practices Production of small tools and implements Repair and maintenance of farm machinery and implements Small scale processing and value addition								
Women Location specific drudgery reduction technologies Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of micro irrigation systems Use of Plastics in farming practices Production of small tools and implements Repair and maintenance of farm machinery and implements Small scale processing and value addition Post Harvest Technology								
Women Location specific drudgery reduction technologies Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of micro irrigation systems Use of Plastics in farming practices Production of small tools and implements Repair and maintenance of farm machinery and implements Small scale processing and value addition		76			-			

Integrated Disease Management	2	45	8	53	5	2	7	60
Bio-control of pests and diseases	_				-		† •	
Production of bio control agents and bio pesticides								
VIII Fisheries								
Integrated fish farming	1	25	-	25	-	-	-	25
Carp breeding and hatchery management	1	25	-	25	-	_	-	25
Carp fry and fingerling rearing							-	
Composite fish culture								
Hatchery management and culture of freshwater prawn	1	25	-	25	-	-	-	25
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery							+	
Pen culture of fish and prawn	<u> </u>							
Shrimp farming							+	
Edible oyster farming	Ī							
Pearl culture	1	25		25	-		-	25
Fish processing and value addition	<u> </u>	20						20
IX Production of Inputs at site	<u> </u>						<u> </u>	
Seed Production								
	<u> </u>							
Planting material production								
Bio-agents production Bio-pesticides production	1	17	5	22	2		2	OE.
	1	17	ວ	22	3	-	3	25
Bio-fertilizer production								
Vermi-compost production								
Organic manures production	<u> </u>							
Production of fry and fingerlings	1							
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs								
Mobilization of social capital								
Entrepreneurial development of farmers/youths								
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL	28	465	216	681	73	76	149	830
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping	<u>.</u>							
Integrated farming								
Seed production								
Production of organic inputs	1	15	5	20	3	2	5	25
Integrated Farming (Medicinal)								
Planting material production								
Vermi-culture								
V GITTII-CUITUTE	<u> </u>				<u></u>			
Sericulture								
Sericulture					:	<u> </u>		
Sericulture Protected cultivation of vegetable crops								
Sericulture Protected cultivation of vegetable crops Commercial fruit production								
Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements	1	1/1	6	20	2	2	5	25
Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops	1	14	6	20	3	2	5	25
Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards								
Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops	1 1	14	6	20	3	2	5	25 25

Sheep and goat rearing								
Quail farming							1	
Piggery								
Rabbit farming							1	
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing					<u> </u>			
Post Harvest Technology				-			-	
Tailoring and Stitching							 	
Rural Crafts	1	_	19	19		6	6	25
TOTAL	4	34	44	78	8	14	22	100
(C) Extension Personnel	-	V-1						100
Productivity enhancement in field crops	1	25	3	28	2	-	2	30
Integrated Pest Management			•				-	
Integrated Nutrient management								
Rejuvenation of old orchards							1	
Protected cultivation technology							+	
Formation and Management of SHGs							-	
Group Dynamics and farmers organization							1	
Information networking among farmers								
Capacity building for ICT application							-	
Care and maintenance of farm machinery and implements							-	
WTO and IPR issues							-	
Management in farm animals	1	25	3	28	2	_	2	30
Livestock feed and fodder production			0					
Household food security								
Women and Child care							-	
Low cost and nutrient efficient diet designing							1	
Production and use of organic inputs							1	
Gender mainstreaming through SHGs					<u>.</u>		ļļ	
Any other (Pl. Specify)							-	
TOTAL	2	50	6	56	4	-	4	60
G. Total	34	549	266	815	85	90	175	990
G. IUIAI	34	349	∠00	010	00	90	1/0	330

B) OFF Campus

				No.	of Partic	ipants		
Thematic Area	No. of Courses		Others				Grand Total	
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women		···		<u> </u>	<u> </u>			
I Crop Production								
Weed Management								
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification	1	31	-	31	4	-	4	35
Integrated Farming	1	28	-	28	7	-	7	35
Water management								
Seed production								
Nursery management								
Integrated Crop Management	4	98	22	120	11	4	15	135
Fodder production								

Production of organic inputs								
II Horticulture		i			<u> </u>		<u></u>	
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables	1	16	7	23	5	2	7	30
Nursery raising		10	,				'	30
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	3	63	12	75	8	2	10	85
b) Fruits								
Training and Pruning								
Layout and Management of Orchards	1	22	-	22	3		3	25
Cultivation of Fruit	1	17	3	20	3	2	5	
	l .	17	3	20	<u> </u>		Э	25
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology	1	13	8	21	2	2	4	25
Processing and value addition								
f) Spices								
Production and Management technology	1	22	8	30	7	3	10	40
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management	1	18	5	23	5	2	7	30
Soil and Water Conservation		10	Ü				'	
Integrated Nutrient Management	2	46	9	55	7	3	10	65
Production and use of organic inputs		40	9	- 33	′		10	00
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency			-		_			
Soil and Water Testing	1	20	5	25	5	-	5	30
IV Livestock Production and Management							· · · · · · · · · · · · · · · · · · ·	
Dairy Management	4	25	40	65	20	35	55	120
Poultry Management								
Piggery Management								
Rabbit Management /goat								
Disease Management	3	57	15	72	12	6	18	90
Feed management	1	5	14	19	4	7	11	30
Production of quality animal products								
V Home Science/Women empowerment					-		······································	
Household food security by kitchen gardening	4		20	20		40	40	40
and nutrition gardening	1	-	30	30	-	10	10	40
Design and development of low/minimum cost					•			
besign and development of low/minimum oost								

Designing and development for high nutrient			¥					
efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques			•					
Value addition	4	-	118	118	-	17	17	135
Income generation activities for empowerment			•					
of rural Women								
Location specific drudgery reduction	4		00	00		0	0	20
technologies	1	-	22	22	-	8	8	30
Rural Crafts								
Women and child care	4	-	120	120	-	25	25	145
VI Agril. Engineering			<u> </u>					
Installation and maintenance of micro irrigation								
systems								
Use of Plastics in farming practices								
Production of small tools and implements			<u>.</u>					
Repair and maintenance of farm machinery and								
implements								
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection			<u> </u>					
Integrated Pest Management	4	142	-	142	8	-	8	150
Integrated Disease Management	3	61	14	75	5	10	15	90
Bio-control of pests and diseases	1	21	6	27	5	3	8	35
Production of bio control agents and bio								
pesticides								
VIII Fisheries								
Integrated fish farming	1	30	5	35	-		-	35
Carp breeding and hatchery management	ı	30	J	- 55	_			33
Carp fry and fingerling rearing								
Composite fish culture	1	21	4	25		-	-	25
Hatchery management and culture of freshwater	I	Z1	4	20	-	-	-	23
prawn	1	27	3	30	-	-	-	30
Breeding and culture of ornamental fishes	1	22	3	25	_		-	25
Portable plastic carp hatchery	1	26	4	30	-	-	-	30
Pen culture of fish and prawn	I	20	4	30		-	-	30
·	2	60	10	70				70
Shrimp farming	2	60	10	70	-	-	-	70
Edible oyster farming Pearl culture	<i>A</i>		0	20				20
[1	22	8	30	-	-	-	30
Fish processing and value addition	2	45	15	60	-	-	-	60
IX Production of Inputs at site								
Seed Production								
Planting material production (Horti.)								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production (Horti.)								
Organic manures production (A.S.)								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics			: : : :					
Leadership development			<u> </u>					
Group dynamics								
Formation and Management of SHGs(HS)			<u>.</u>					
Mobilization of social capital			<u>.</u>					
Entrepreneurial development of farmers/youths			<u>.</u>					
(Agro.)								
			<u> </u>				<u>L</u>	

TOTAL	54	958	510	1468	121	141	262	1730
XII Others (Pl. Specify)								
Integrated Farming Systems (Agro)								
Nursery management								
Production technologies								
XI Agro-forestry								
WTO and IPR issues								

C) Consolidated table (ON and OFF Campus)

Thomasia Auga	No. of Course		O4k	NC	. or Pa	articipan	13	
Thematic Area	No. of Courses	Others Male Female Total		Mele	SC/ST	Total	Grand Tota	
(A) F 9 F W		waie	remaie	lotai	Male	Female	lotai	
(A) Farmers & Farm Women								
I Crop Production		1		Ţ	······································	<u> </u>	·	
Weed Management								
Resource Conservation Technologies								
Cropping Systems Crop Diversification	1	31		24	4		4	35
-	2		-	31		-		
Integrated Farming Water management		50	-	50	10	-	10	60
Seed production								
· · · · · · · · · · · · · · · · · · ·								
Nursery management		440	07	470	40		0.5	405
Integrated Crop Management	6	143	27	170	19	6	25	195
Fodder production		40	F	40	10		10	60
Production of organic inputs II Horticulture	2	43	5	48	12	<u>-</u>	12	60
	T			Ī	<u> </u>		[
a) Vegetable Crops								
Production of low volume and high value crops	4	16	7	23	F	2	7	20
Off-season vegetables Nursery raising	1	16	7		5	2	7	30
Exotic vegetables like Broccoli	1	15	7	22	5	3	8	30
-								
Export potential vegetables								
Grading and standardization	4	0.4	14	05	40		7.	110
Protective cultivation (Green Houses, Shade Net etc.) b) Fruits	4	81	14	95	13	2	15	110
,								
Training and Pruning				200			_	O.F.
Layout and Management of Orchards Cultivation of Fruit	1	22 17	-	22 20	3	- 2	3	25 25
	l	17	3	20	3		5	25
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques c) Ornamental Plants								
,								
Nursery Management								
Management of potted plants Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology				<u> </u>	<u> </u>		<u> </u>	
Processing and value addition								
e) Tuber crops Production and Management technology	1	10	8	21	2	2	1	OE.
Processing and value addition	l l	13	O	21			4	25
	<u> </u>			<u> </u>			<u> </u>	
f) Spices Production and Management technology		64	10	00	10	6	10	100
Production and Management technology	3	64	18	82	12	6	18	100
Processing and value addition								
g) Medicinal and Aromatic Plants Nursery management								

p			·····		·•········		·	,
Production and management technology								
Post harvest technology and value addition								
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Planting material production								
Vermi-culture			<u> </u>					
Sericulture								
Protected cultivation of vegetable crops					ļ			
Commercial fruit production								
Repair and maintenance of farm machinery and								
implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards								
Value addition								
Production of quality animal products								
					<u> </u>	<u> </u>		
Dairying Shoon and goot rearing					<u> </u>			
Sheep and goat rearing					ļ			
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology		·····						
			1		÷			
Tailoring and Stitching								
Tailoring and Stitching Rural Crafts								
	23	495	89	584	88	23	111	695
Rural Crafts TOTAL	23	495	89	584	88	23	111	695
Rural Crafts TOTAL (C) Extension Personnel	23	495	89	584	88	23	111	695
Rural Crafts TOTAL (C) Extension Personnel Productivity enhancement in field crops	23	495	89	584	88	23	111	695
Rural Crafts TOTAL (C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management	23	495	89	584	88	23	111	695
Rural Crafts TOTAL (C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management	23	495	89	584	88	23	111	695
Rural Crafts TOTAL (C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards	23	495	89	584	88	23	1111	695
Rural Crafts TOTAL (C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology	23	495	89	584	88	23	111	695
Rural Crafts TOTAL (C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs	23	495	89	584	88	23	111	695
Rural Crafts TOTAL (C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics and farmers organization	23	495	89	584	88	23	1111	695
Rural Crafts TOTAL (C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics and farmers organization Information networking among farmers	23	495	89	584	88	23	111	695
Rural Crafts TOTAL (C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics and farmers organization Information networking among farmers Capacity building for ICT application	23	495	89	584	88	23	111	695
Rural Crafts TOTAL (C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics and farmers organization Information networking among farmers Capacity building for ICT application Care and maintenance of farm machinery and	23	495	89	584	88	23	111	695
Rural Crafts TOTAL (C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics and farmers organization Information networking among farmers Capacity building for ICT application Care and maintenance of farm machinery and implements	23	495	89	584	88	23	111	695
Rural Crafts TOTAL (C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics and farmers organization Information networking among farmers Capacity building for ICT application Care and maintenance of farm machinery and implements WTO and IPR issues	23	495	89	584	88	23	111	695
Rural Crafts TOTAL (C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics and farmers organization Information networking among farmers Capacity building for ICT application Care and maintenance of farm machinery and implements WTO and IPR issues Management in farm animals	23	495	89	584	88	23	111	695
Rural Crafts TOTAL (C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics and farmers organization Information networking among farmers Capacity building for ICT application Care and maintenance of farm machinery and implements WTO and IPR issues Management in farm animals Livestock feed and fodder production	23	495	89	584	88	23	1111	695
Rural Crafts TOTAL (C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics and farmers organization Information networking among farmers Capacity building for ICT application Care and maintenance of farm machinery and implements WTO and IPR issues Management in farm animals Livestock feed and fodder production Household food security	23	495	89	584	88	23	1111	695
Rural Crafts TOTAL (C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics and farmers organization Information networking among farmers Capacity building for ICT application Care and maintenance of farm machinery and implements WTO and IPR issues Management in farm animals Livestock feed and fodder production Household food security Women and Child care	23	495	89	584	88	23	1111	695
Rural Crafts TOTAL (C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics and farmers organization Information networking among farmers Capacity building for ICT application Care and maintenance of farm machinery and implements WTO and IPR issues Management in farm animals Livestock feed and fodder production Household food security Women and Child care Low cost and nutrient efficient diet designing	23	495	89	584	88	23	1111	695
Rural Crafts TOTAL (C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics and farmers organization Information networking among farmers Capacity building for ICT application Care and maintenance of farm machinery and implements WTO and IPR issues Management in farm animals Livestock feed and fodder production Household food security Women and Child care Low cost and nutrient efficient diet designing Production and use of organic inputs	23	495	89	584	88	23	1111	695
Rural Crafts TOTAL (C) Extension Personnel Productivity enhancement in field crops Integrated Pest Management Integrated Nutrient management Rejuvenation of old orchards Protected cultivation technology Formation and Management of SHGs Group Dynamics and farmers organization Information networking among farmers Capacity building for ICT application Care and maintenance of farm machinery and implements WTO and IPR issues Management in farm animals Livestock feed and fodder production Household food security Women and Child care Low cost and nutrient efficient diet designing	23	495	89	584	88	23	1111	695

TOTAL	23	495	89	584	88	23	111	695
G. Total	23	495	89	584	88	23	111	695
II Soil Health and Fertility Management								
Soil fertility management	1	18	5	23	5	2	7	30
Soil and Water Conservation								
ntegrated Nutrient Management	2	46	9	55	7	3	10	65
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing	1	20	5	25	5	-	5	30
V Livestock Production and Management								
Dairy Management	7	40	85	125	28	67	95	220
Poultry Management								
Piggery Management							<u> </u>	
Rabbit Management/goat								
Disease Management	4	72	20	92	19	9	28	120
Feed management	1	5	14	19	4	7	11	30
Production of quality animal products	1	12	10	22	4	4	8	30
V Home Science/Women empowerment								
Household food security by kitchen gardening and	1	-	30	30	-	10	10	40
nutrition gardening	•							
Design and development of low/minimum cost diet							ļl.	
Designing and development for high nutrient efficiency								
diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition	6	-	168	168	-	27	27	195
Income generation activities for empowerment of rural	2	_	52	52	-	13	13	65
Women							<u> </u>	
Location specific drudgery reduction technologies	1	-	22	22	-	8	8	30
Rural Crafts								
Women and child care	4	-	120	120	-	25	25	145
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices							ļ	
Production of small tools and implements								
Repair and maintenance of farm machinery and								
implements							-	
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection		040	40		40		100	050
Integrated Pest Management	7	218	12	230	16	4	20	250
Integrated Disease Management	5	106	22	128	10	12	22	150
Bio-control of pests and diseases	1	21	6	27	5	3	8	35
Production of bio control agents and bio pesticides								
VIII Fisheries							ļļ.	
Integrated fish farming	2	55	5	60	-	-	-	60
Carp breeding and hatchery management	1	25	-	25	-	-	-	25
Carp fry and fingerling rearing	<i>A</i>	0.4	A	0.5			-	<u> </u>
Composite fish culture	1	21	4	25	-	-	-	25
Hatchery management and culture of freshwater prawn	2	52	3	55	-	-	-	55
Breeding and culture of ornamental fishes	1	22	3	25	-	-		25
Portable plastic carp hatchery	1	26	4	30	-	-	-	30
Pen culture of fish and prawn				ļ			ļļ.	
Shrimp farming	2	60	10	70	-	-	-	70
Edible oyster farming								
Pearl culture	2	47	8	55	-	-	T -	55
Fish processing and value addition	2	45	15	60	-	-	T - T	60

				·	,			
IX Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production	1	17	5	22	3	-	3	25
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs								
Mobilization of social capital								
Entrepreneurial development of farmers/youths								
WTO and IPR issues								
XI Agro-forestry								
Production technologies						•••••		•••••
Nursery management				<u> </u>				
Integrated Farming Systems								
Sponsored training								
TOTAL	82	1423	726	2149	194	217	411	2560
(B) RURAL YOUTH	02	1723	120	2173	137	<u> </u>	711	2300
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs	1	15	5	20	3	2	5	25
Integrated Farming								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and								
implements								
Nursery Management of Horticulture crops	1	14	6	20	3	2	5	25
Training and pruning of orchards	I	17			J		J J	
Value addition				40	^			OF
	1	5	14	19	2	4	6	25
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Piggery Rabbit farming								
Rabbit farming								
Rabbit farming Poultry production								
Rabbit farming Poultry production Ornamental fisheries Para vets								
Rabbit farming Poultry production Ornamental fisheries Para vets Para extension workers								
Rabbit farming Poultry production Ornamental fisheries Para vets Para extension workers Composite fish culture								
Rabbit farming Poultry production Ornamental fisheries Para vets Para extension workers Composite fish culture Freshwater prawn culture								
Rabbit farming Poultry production Ornamental fisheries Para vets Para extension workers Composite fish culture Freshwater prawn culture Shrimp farming								
Rabbit farming Poultry production Ornamental fisheries Para vets Para extension workers Composite fish culture Freshwater prawn culture Shrimp farming Pearl culture								
Rabbit farming Poultry production Ornamental fisheries Para vets Para extension workers Composite fish culture Freshwater prawn culture Shrimp farming Pearl culture Cold water fisheries								
Rabbit farming Poultry production Ornamental fisheries Para vets Para extension workers Composite fish culture Freshwater prawn culture Shrimp farming Pearl culture Cold water fisheries Fish harvest and processing technology								
Rabbit farming Poultry production Ornamental fisheries Para vets Para extension workers Composite fish culture Freshwater prawn culture Shrimp farming Pearl culture Cold water fisheries								

G. TOTAL	88	1507	776	2283	206	231	437	2720
Total	2	50	6	56	4	-	4	60
Any other (Pl. Specify)								
Gender mainstreaming through SHGs								
Production and use of organic inputs								
Low cost and nutrient efficient diet designing								
Nomen and Child care								
Household food security								
Livestock feed and fodder production								
Management in farm animals	1	25	3	28	2	-	2	30
WTO and IPR issues								
mplements								
Care and maintenance of farm machinery and								
Capacity building for ICT application								
nformation networking among farmers								
Group Dynamics and farmers organization								
Formation and Management of SHGs								
Protected cultivation technology								
Rejuvenation of old orchards								
ntegrated Nutrient management								
ntegrated Pest Management	'	20	<u> </u>	20				
Productivity enhancement in field crops	1	25	3	28	2	_	2	30
(C) Extension Personnel		34		70	U	17		100
TOTAL	4	34	44	78	8	14	22	100
Rural Crafts	1		19	19		6	6	25
Post Harvest Technology Failoring and Stitching				-	† †		· i	

Details of training programmes attached in **Annexure -I**

3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension	No. of		Farmers		Exte	ension Offi	cials		Total			
Activity	activities	Male	Female	Total	Male	Female	Total	Male	Female	Total		
Field Day	20	350	150	500	5	-	5	355	150	505		
Kisan Mela	1	300	100	400	10	1	11	310	101	411		
Kisan Ghosthi	25	275	50	325	-	-	-	275	50	325		
Exhibition	5	250	125	375	-	-	-	250	125	375		
Film Show	20	200	100	300	-	-	-	200	100	300		
Farmers Seminar	4	100	100	200	-	-	-	100	100	200		
Workshop	1	25	25	50	-	-	-	25	25	50		
Group meetings	8	150	100	250	-	-	-	150	100	250		
Lectures delivered as resource persons	40	600	600	1200	-	-	-	600	600	1200		
Newspaper coverage	10	-	-	-	-	-	-	-	-	-		
Radio talks	-	-	-	-	-	-	-	-	-	-		
TV talks	-	-	-	-	-	-	-	-	-	-		
Popular articles	8	-	-	-	-	-	-	-	-	-		
Extension Literature	10	-	-	-	-	-	-	-	-	-		
Advisory Services							•					
Scientific visit to farmers field	150	-	-	-	-	-	-	-	-	-		
Farmers visit to KVK	500	-	-	-	-	-	-	-	-	-		

Total	954	2250	1350	3600	15	1	16	2265	1351	3616
Any Other (Specify)		-	-	-	-	-	-	-	-	-
PPVFRA workshop	1	-	-	-	-	-	-	-	-	-
Pre Rabi workshop	1	-	-	-	-	-	-	-	-	-
Pre Kharif workshop	1	-	-	-	-	-	-	-	-	-
Krishi Rath	1	-	-	-	-	-	-	-	-	-
Krishi Mohostva	1	-	-	-	-	-	-	-	-	-
Celebration of important days (specify)	5	-	-	-	-	-	-	-	-	-
Mahila Mandals Conveners meetings	1	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	5	-	-	-	-	-	-	-	-	-
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	2	-	-	-	-	-	-	-	-	-
Soil health Camp	4	-	-	-	-	-	-	-	-	-
Ex-trainees Sammelan	5	-	-	-	-	-	-	-	-	-
Exposure visits	-	-	-	-	-	-	-	-	-	-
Diagnostic visits	125	-	-	-	-	-	-	-	-	-

3.5 Target for Production and supply of Technological products SEED MATERIALS

SI. No.	Crop	Variety	Quantity (qtl.)
CEREALS	-	-	-
	-	-	-
	-	-	-
OILSEEDS	Groundnut	GG-20 Breeder	80
	Groundnut	GJG-17 Breeder	16
	Groundnut	GG-20 Truthful	16
PULSES	-	-	-
	-	-	-
	-	-	-
	-	-	-
VEGETABLES	-	-	-
OTHERS (Specify)	-	-	-
	-	-	-
	-	-	-
	-	•	-

PLANTING MATERIALS

SI. No.	Crop	Variety	Quantity (Nos.)	

FRUITS	-	-	-
	-	-	-
	-	-	-
	-	-	-
SPICES	-	-	-
	-	-	-
VEGETABLES	Chilli	-	1000
	Tomato	Guj. Tomato -3	1000
	Brinjal	GJB-2	3000
	-	-	-
FOREST SPECIES	-	-	-
	-	-	-
ORNAMENTAL CROPS	-	-	-
		Total	5000

Bio-products

SI. No.	Product Name	Species	(Quantity
			No	(kg)
BIO PESTICIDES				
1	-	-	-	-
2	-	-	-	-

LIVESTOCK

SI. No.	Туре	Breed	Qu	Quantity	
			(Nos)	Unit	
Cattle	-	-	-	-	
	-	-	-	-	
GOAT	-	-	-	-	
SHEEP	-	-	-	-	
POULTRY	-	-	-	-	
Pig farming	-	-	-	-	
FISHERIES	-	-	-	-	
LIQUEKIES	-	-	-	-	

3.6. Literature to be Developed/Published

(A) KVK News Letter

Date of start : No Number of copies to be published : NA

(B) Literature developed/published

S.No.	Торіс	Number
1	Research paper each scientist	3
2	Technical reports	5
3	News letters	-
4	Training manual all discipline	-
5	Popular article	-
6	Extension literature	10
	Total	18

(C) Details of Electronic Media to be Produced

	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	-	-	-

3.7. Success stories/Case studies identified for development as a case.

- a. Brief introduction
- b. Interventions
- c. Output
- d. Outcomes
- e. Impact
 - i) Social economic
 - ii) Bio-Physical
- f. Good Action Photographs

3.8 Indicate the specific training need analysis tools/methodology followed for

Practicing Farmers

- a) PRA
- b) District Thrust and Thematic Areas
- c) Field level observations
- d) Epidemic of pest/Diseases

Rural Youth

- a) PRA
- b) District Thrust and Thematic Areas
- c) Field level observations
- d) Farmer group discussions

In-service personnel

- a) Epidemic of pest/Diseases
- b) New innovation

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT:

- i) PRA
- ii) Problem identified from Matrix
- iii) Field level observations
- iv) Farmer group discussions
- v) Others if any Epidemic of pest/Diseases

For FLD:

- i) New variety/technology
- ii) Poor yield at farmers level
- iii) Existing cropping system
- iv) Others if any: Nutritional deficiencies, epidemic of pest & diseases

3.10 Field activities

i. Name of villages identified/adopted with block name (from which year)

Name of the village	Name of the block	Taluka	Year
Khambhodar Majivana Fatana Sodhana Shingda	Cluster I	Porbandar	2015
Khijdal Rana Vadvala Bhod Rana Khirasara Aniyari	Cluster II	Ranavav	2015
Pasvari Segras Bhogsar Mal Baloch	Cluster III	Kutiyana	2015

- ii. No. of farm families selected per village:
- iii. No. of survey/PRA conducted: 15
- iv. No. of technologies taken to the adopted villages: OFT, FLD, Training etc. -112
- v. Name of the technologies found suitable by the farmers of the adopted villages: -
- vi. Impact (production, income, employment, area/technological- horizontal/vertical): -
- vii. Constraints if any in the continued application of these improved technologies: -

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment : 2010

2. List of equipments purchase with amount

SI. No.	Name of the equipment	Quantity	Cost (Rs)
1	pH Meter	2	7600
2	Ec Meter	1	9450
3	Flame Photo Meter	1	44887
4	Spectrophotometer	1	39480
5	Refrigerator	1	19610
6	Distillation Unit	1	157500
7	Chemical Balance	1	45066
8	Rotary Shaker	2	36000
9	Hot Plate	2	9450
10	Physical Balance	2	6616
11	Zeldal Digestion and Distillation	1	47250
12	Hot air oven	1	15215

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	200	200	-	40000/-
Water	200	200	-	10000/-
Plant	-	-	-	-
Total				

4.0 LINKAGES

4.1 Functional linkage with different organizations

SI.No.	Name of organization	Nature of Linkage
1.	ATMA	Propagation of modern agricultural technology as a resource person and through various extension activities.
2.	District Agricultural Officer	Propagation of modern agricultural technology as a resource person and through various extension activities.
3.	Jilla Panchyat	Propagation of modern agricultural technology as a resource person and through various extension activities.
4.	State Fisheries Department	Propagation of modern agricultural technology as a resource person and through various extension activities.
5.	DRDA	Propagation of modern agricultural technology as a resource person and through various extension activities.
6.	DWDU	Propagation of modern agricultural technology as a resource person and through various extension activities.

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district: Yes

S. No.	Programme	Nature of linkage
1	Training	KVK Scientist as a resource person
2	Farmer Field school	KVK Scientist as a resource person
3	Kishan Gosthi	KVK Scientist as a resource person
4	Farmer Scientist Interaction	KVK Scientist as a resource person

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage	
1	-	-	
2	-	-	

4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1	-	-
2	-	-

5.0 Utilization of hostel facilities

S. No.	Programme	No. of days
1	On Campus Training	56
2	Exposer Visitors	8
3	Technology Week Celebration	5
4	Vocational Training	10
5	Extension Functionaries Training	4
	Total	83

6.0 Convergence with departments: Nil

7.0 Feedback of the farmers about the technologies demonstrated and assessed:

Name of KVK		Feedback		
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Porbandar	INM in groundnut Trichoderma in groundnut INM in cotton Pink boll worm in cotton Improved variety of cumin (GC-4)	Trainings FLDs, field days and Advisory services	Yield, quality and net return increased as the cost of cultivation reduced	Improved variety of chick pea (GG-3) INM in groundnut and cotton Use of Biofertilizers MISs

8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:

Name of KVK	Subject	Feedback basic of OFT on Technology Tested
Porbandar	Crop Production	Soil configuration and MISs for cumin may be tested.
	Horticulture	Techno economical feasibility of poly house for costal belt of South Saurashtra Agro climatic Zone should be tested.
	Plant Protection	 Reasons for resurgence of white grub and control measures based on may be suggested. Package for fruit fly management may be modified Efficacy of newer technical of pesticides, fungicides and herbicides should be tested and recommended if possible. Management Package of Pink Ball Worm in Bt cotton should be developed.
	Home Science	Effect of sprouted pulses in regular diet may be studied in detail. Quality of meal prepared in solar cooker may be studied in detail.
	Fisheries	 Land availability is the main constraint in the promotion of brackish water aquaculture & demarcation of potential land needs to be done for farmers. Technology / practices developed by institute may be made available to farmers at no cost.
	Animal Husbandry	Study of inbreeding in milch animals

Annexure - I Training Programme

i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration		lumber		Numb	C/ST	1	
			in days	participants						Total
				M	F	Т	M	F	T	
Crop Produc			······································					,		,
	PF	Advanced production technologies of major kharif crops	3	26	5	31	4	-	4	35
	PF	Sustainable Agriculture	3	22	-	22	3	-	3	25
	PF	Recent advances in production technology of Rabi crops	3	19	-	19	4	2	6	25
	PF	Organic farming	3	20	3	23	7	-	7	30
	PF	Biofertilizers - Importance and use	3	23	2	25	5	-	5	30
Horticulture										
	PF	Nursery management for vegetable crops	3	15	7	22	5	3	8	30
	PF	Protected cultivation (Green house, Net house, tunnels)	3	18	2	20	5	-	5	25
	PF	Recent advances in production technology of spices	3	20	7	27	5	3	8	35
	PF	Advance technologies for chili production	3	22	3	25	-	-	-	25
Livestock pr	od.		i		L	.i		L		
-	PF/FW	Housing management in milch animals	3	5	15	20	4	11	15	35
	PF	Control measures of infertility in farm animals	3	5	15	20	-	10	10	30
	PF/FW	Hygienic milk production	3	12	10	22	4	4	8	30
	PF/FW	Management of mastitis in milch animals	3	15	5	20	7	3	10	30
	PF/FW	Health management in herd	3	5	15	20	4	11	15	35
Agril. Engg.			······································						···±	
	PF	-	-	-	-	-	-	-	-	-
	PF	-	-	-	-	-	-	-	-	-
	PF	-	-	-	-	-	-	-	-	-
Home Sc.			•							•
	PF	Value addition in fruits & vegetables	3	-	25	25	-	5	5	30
	PF	Preparation of bakery products	3	-	27	27	-	8	8	35
	PF	Soybean-A nutritional diet and its value added items	3	-	25	25	-	5	5	30
	PF	Income generation activities for empowerment of rural Women	3	-	25	25	-	5	5	30

Plan pro	t.							•••••		
	PF	Management of white grub in groundnut	3	21	4	25	3	2	5	30
	PF	Integrated management of pink ball worm in cotton	3	26	4	30	3	2	5	35
	PF	IPDM in major rabi crops	3	20	3	23	-	2	2	25
	PF	IPDM in crops under protected cultivation	3	25	5	30	5	-	5	35
	PF	Storage pest management in food grains	3	24	4	28	2	-	2	30
Fisheries	S									
	PF	Carp breeding, hatchery management and grow out rearing.	3	25	-	25	-	-	-	25
	PF	Hatchery management & Cultivation of fresh water Prawn	3	25	-	25	-	-	-	25
	PF	Mariculture Practices	3	25	-	25	-	-	-	25
	PF	Sea weed cultivation & preparation of LSF	3	25	-	25	-	-	-	25
Soil Hea	lth			<u>.</u>		.4	<u> </u>			
	PF									

i) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration	<u> .</u>	of partic	·	Num	G.		
			in days	М	F	Т	М	F	Т	Tota
Crop Produc										
	PF	Advances in groundnut production technology	1	24	6	30	3	2	5	35
	PF	Integrated Nutrient Management in kharif crops	1	21	4	25	3	2	5	30
	PF	Improved production technology of Bt cotton	1	18	5	23	2	-	2	25
	PF	Sustainable agriculture	1	28	-	28	7	-	7	35
	PF	Advances in production technologies of	1	27	5	32	3	-	3	35
		wheat & chickpea	-							
	PF	INM in major rabi crops	1	25	5	30	4	1	5	35
	PF	Advance production technologies of pulses	1	29	6	35	3	2	5	40
	PF	Crop diversification	1	31	-	31	4	-	4	35
Horticulture										
	PF	Layout and Management of mango orchards	1	22	-	22	3	-	3	25
	PF	Protected cultivation of flower & vegetables crops	1	18	4	22	3	-	3	25
	PF	Production of organic fruits	1	17	3	20	3	2	5	25
	PF	Fertilizer management in crops under protected cultivation	1	22	4	26	4	-	4	30
	PF	Cultivation of onion & garlic	1	13	8	21	2	2	4	25
	PF	Production of organic spices	1	22	8	30	7	3	10	40
	PF	Scope of net house for off seasonal	1	16	7	23	5	2	7	30
		cultivation.								
	PF	Cultivation of leafy vegetables under net house	1	23	4	27	1	2	3	30
Live Stock F	Production.		<u>i</u>	i	.1		<u>.i</u>			
	PF	Disease management in livestock	1	18	6	24	4	2	6	30
	PF	Nutrition management in livestock	1	5	14	19	4	7	11	30
	PF	Care of pregnant animals	1	6	12	18	4	8	12	30
	PF	Care after calving	1	8	8	16	6	8	14	30
	PF	Importance of vaccination in farm animal	1	20	4	24	4	2	6	30
	PF	Artificial insemination	1	4	11	15	6	9	15	30
	PF	Deworming programme	1	7	9	16	4	10	14	30
	PF	Control of parasites in farm animals	1	19	5	24	4	2	6	30
Agril. Engg.	<u>L</u>	<u>.</u>	<u> </u>	L	<u></u>	<u></u>	<u></u>	. <u>.</u>		-
33.	PF	-	-	-	-	-	T -	-	-	-
	PF	-	-	-	-	-	-	-	-	-
	PF	-	-	-	-	-	-	-	-	-
	PF	-	-	-	-	-	-	-	-	-
	PF	-	-	-	-	-	-	-	-	-
Home Sc.	I		<u>:</u>	L	<u> </u>	1	1	<u></u>		
	PF	Women & Child care	1	-	29	29	-	6	6	35
	PF	Drudgery reducing technologies for farm women in agriculture	1	-	22	22	-	8	8	30
	PF	Household food security by kitchen gardening	1	-	30	30	-	10	10	40
	PF	Importance of vaccination and health care for infant	1	-	29	29	-	6	6	35
	PF	Nutritional diet for farm women, pregnant women, children & adolescent girls	1	-	29	33	-	7	7	40
	PF	Preparation of jam, squash, catch up from	1	_	31	31	-	4	4	35
	1.1	fruit	· '	Ī -	JI	JI	-	4	4	33

	PF	Value addition in <i>aonla</i>	1	-	26	26	-	4	4	30
	PF	Daily requirement of nutrients in farm women	1	-	29	29	-	6	6	35
	PF	Preservation of fruits & vegetables	1	-	35	35	-	5	5	40
	PF	Preparation of different types of masala	1	-	26	26	-	4	4	30
Plant Pro	otection									
	PF	Stem/collar rot management in groundnut	1	25	5	30	1	4	5	35
	PF	Management of white grub in groundnut	1	38	-	38	2	-	2	40
	PF	Integrated management of pink ball worm in cotton	1	38	-	38	2	-	2	40
	PF	Integrated pest & disease management in kharif crops	1	33	-	33	2	-	2	35
	PF	IPDM in major rabi crops	1	16	4	20	1	4	5	25
	PF	Aflatoxin & Storage pest management in groundnut	1	20	5	25	3	2	5	30
	PF	Biological control of pest & diseases	1	21	6	27	5	3	8	35
	PF	Integrated pest management in chilly	1	33	-	33	2	-	2	35
Fisheries	-					·	·	,		
	PF	Shrimp farming in Brackish water	1	29	6	35	-	-	-	35
	PF	Culture of fresh water prawn- Scampi	1	27	3	30	-	-	-	30
	PF	Ornamental Fish Culture	1	22	3	25	-	-	-	25
	PF	Major Carp Culture	1	26	4	30	-	-	-	30
	PF	Shrimp farming- <i>Vannami</i>	1	31	4	35	-	-	-	35
	PF	Seaweed cultivation	1	30	5	35	-	-	-	35
	PF	Cage Culture	1	21	4	25	-	-	-	25
	PF	Preparation of LSF	1	27	8	35	-	-	-	35
	PF	Fish processing & value addition	1	18	7	25	-	-	-	25
	PF	Mericulture	1	22	8	30	-	-	-	30
Soil heal										
	PF	Soil health management	1	18	5	23	5	2	7	30
	PF	Soil sampling techniques and importance of soil analysis	1	20	5	25	5	-	5	30

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duratio n (days)	No. of Participants			SC/ST participants			G.Total
Enterprise	Alea				М	F	Т	М	F	Т	
-	PIS	Production of organic inputs	-	3	15	5	20	3	2	5	25
Chickpea	PIS	Self preparation of bio products	-	3	17	5	22	3	-	3	25
Vegetables	HOV	Plug Nursery raising technique for business	-	3	14	6	20	3	2	5	25
-	WOE	Preparation of handicrafts item	-	3	-	19	19	-	6	6	25
-	RY	Sea weed culture and Preparation of LSF	-	3	5	14	19	2	4	6	25

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duratio n in		No. o	of ants	Nu (G. Total		
			days	M	F	Т	М	F	Т	
On Campus	•				-		•			
-	Extension functionaries	Integrated crop management- major crops	3	25	3	28	2	-	2	30
-	Extension functionaries	Recent advances in agriculture and animal husbandry.	3	25	3	28	2	-	2	30

iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course		lo. o		N	umbe SC/S		G. Total
					М	F	Т	M	F	Т	
a) Sponso	red training pro	gdramme	-							-	-
Crop Production	ATMA	PF	Soil health management	2	40	5	45	8	2	10	55
Horticulture	ATMA	PF	Production of organic spices	2	42	8	50	6	4	10	60
Plant Protection	ATMA	PF	Integrated management of pink ball worm in cotton	2	40	15	55	5	4	9	64
Plant Protection	ATMA	PF	Management of white grub in groundnut	2	50	14	64	2	2	4	68
Animal Husbandry	ATMA	PF	Artificial insemination	2	45	20	65	8	7	15	80
Fisheries	ATMA	PF	Aquaculture Practices	2	50	10	60	-	-	-	60
			Total	10	267	72	339	29	19	48	387
b) Sponso	red research pro	ogramme									
	-	-	-	-	-	-	-	-	-	-	-
			Total								
c) Any spe	ecial programme	es			- -	7					7
-	-	-	-	-	-	-	-	-	-	-	-
			Total								<u> </u>