

# EXTENSION EDUCATION



## Chapter - V



### 5.1 Directorate of Extension Education

The Directorate of Extension Education was established according to the Chapter-3, Part-IX vide Section 14.1(3) of the Gujarat Agricultural Universities Act-2004, for dissemination of the research findings and technical information through extension education programmes. The main function of the Directorate is to plan, coordinate, organize and guide the extension education programmes in the University and to ensure efficient working of the extension activities in close coordination with other development departments and state voluntary organizations, other officers and scientists of the University. Extension Education is one of the triple functions of the Junagadh Agricultural University to boost up the agricultural production. The University has been making substantial contribution in diffusing

and communicating agricultural technologies among the extension personnel and farming community of the region. The technologies generated in agriculture and allied sciences by the University are being transferred to the end users. Dr. A.M. Parakhia supervised and guided the extension education activities during the reporting year.

### 5.2 Extension Education Council

The Extension Education Council was constituted according to the provision of the Gujarat Agricultural Universities Act-2004 in exercise of the statutes No S.31 & notification of Registrar No. JAU/Reg/Aca-2/Ext.Edu. Council/13887-13936/2013, date 31-07-2013. Extension Education Council meeting was organized on 12.01.2016. The members of Extension Education Council as under.

Sr.No.	Name / Designation	Position
1.	<b>The Vice Chancellor</b>	
	Dr. A.R. Pathak, Hon'ble Vice Chancellor	Chairman
2.	<b>The Director of Research</b>	
	Dr. A.Y. Desai, Director of Research and Dean P.G.	Member
3.	<b>The Deans of Faculties</b>	
	1. Dr. A.V. Barad, Principal & Dean, College of Agriculture, JAU, Junagadh	Member
	2. Dr. N.K. Gontia, Principal & Dean, College of Agril. Engg. & Technology, JAU, Junagadh	Member
	3. Dr. A.Y. Desai, Principal & Dean, College of Fisheries, JAU, Veraval	Member
	4. Dr. P.H. Tank, Principal & Dean, College of Veterinary Sci. & A.H., JAU, Junagadh	Member
	5. Dr. K.A. Khunt, Principal, PGIABM, JAU, Junagadh	
	6. Dr. V.P. Chovatia, Principal, College of Agriculture, JAU, Amreli	Invitee
4.	<b>Five Officer/ Extension Education Experts (Nominated by the Vice Chancellor)</b>	
	1. Dr. P.R. Kanani, Professor & Head, Department of Extension Education, JAU, Junagadh	Member
	2. Dr. M.V. Ramdevputra, Principal, Agriculture Polytechnic, JAU, Dhari	Member
	3. 1. Dr. B.B. Kabaria, Research Scientist, Main Dry Farming Research Station, JAU, Targhadia	Member
	2. Dr. N.P. Shukla, Programme Coordinator, Krishi Vigyan Kendra, Sanosara	Member



Sr.No.	Name / Designation	Position
4.	Other Extension Education Expert/ Farm Manager, JAU, Junagadh 1. Prof. B.L. Parmar, Retd. Assistant Extension Educationist, Sardar Smruti Kendra, JAU, Junagadh	Member
5.	<b>The Eminent Extension Education Experts outside the University concern with Farmers training (Nominated by the Vice Chancellor)</b>	
1.	Dr. A.O. Kher, Retd. Associate Director of Extension Education, JAU, Junagadh	Member
2.	Dr. M.N. Popat, Retd. Associate Director of Extension Education, JAU, Junagadh	Member
3.	Dr. V. V. Mayani, Retd. Extension Educationist, AAU, Anand	Member
6.	<b>Three Director of Agriculture/ Horticulture/ Animal Husbandry</b>	
1.	Dr. S.R. Chaudhari, Director of Agriculture, GoG, Gandhinagar	Member
2.	Dr. B.S. Patel, Director of Horticulture, GoG, Gandhinagar	Member
3.	Dr. A.J. Kachhia Patel, Director of Animal Husbandry, GoG, Gandhinagar	Member
7.	<b>Two Progressive farmers (Nominated by the Vice Chancellor)</b>	
1.	Shri Parshotambhai Sidapara, Jamka (Junagadh)- Cow based Agriculture	Member
2.	Shri Rameshbhai Pansuriya, Kalavad (Jamnagar)- Manufacture of Agril. Implements	Member
8.	<b>Associate Director of Extension Education, JAU, Junagadh</b>	Member
9.	<b>Dr. A.M. Parakhia, Director of Extension Education, JAU, Junagadh</b>	Member Secretary

### 5.3 Extension Education and Training Centres

No.	Course / Programme	Location
<b>Diploma/Certificate Courses</b>		
1	Agriculture Diploma School	Halvad
2	School of Baking	Junagadh
3	Mali Training Centre	Junagadh
4	Agro Base ITI Centre	Junagadh, Mahuva
<b>Training Programmes for Extension Workers</b>		
1	Training & Visit System Training Centre	Junagadh, Targhadia
2	Centre of Excellence for Training (Oilseeds)	Junagadh
<b>Training Programmes for Farmers/Farm Women</b>		
1	Krishi Vigyan Kendra	Jamnagar, Targhadia, Amreli, Khapat, Nanakandhasar, Pipaliya
2	Sardar Smruti Kendra	Junagadh
<b>Extension Education Programmes for Rural People</b>		
1	Farm Advisory Service Centre	Junagadh
2	Extension Programme for Fisheries	Okha



## Extension Education and Training Programmes

### (I) Diploma/Certificate Courses for Farm Youths

The Junagadh Agricultural University continued various Diploma/ Certificate courses during the year under report as per the details given below.

No.	Name of Course	Duration	Location	No. of Students Completed the Course
1	Agriculture Diploma	2 years	Halvad	29
2	Bakery Training			
	• Basic Course in Baking Science	15 weeks	Junagadh	30 (2 Batches)
	• Special Training to Women	1 week	Junagadh	211 (12 Batches)
3	Mali Training	6 months	Junagadh	05
4	Agro Base ITI Centre	6 months	Junagadh	
	• Seed Production Technology			49
	• Green House Construction & Systems Management			50 (Continue)

All these courses are aiming to impart skill oriented practical training to farmers' son/daughter in order to provide an opportunity for self-employment and employment in different organizations.



Dr. A.M. Parakhia, DEE, Distributing Certificate in Bakery Training Course



Agro base ITI Students Group Photo

### (II) Training Programmes for Extension Workers/Officers

#### (A) Training & Visit System

Junagadh Agricultural University has taken-up the task of training the extension personnel of the Department of Agriculture and Horticulture through

T & V System. The bimonthly workshops, pre-seasonal training workshops and short-term training programmes organized for the extension personnel of the Department of Agriculture and the number of SMSs/AEOs who attended the programmes as given below.

No.	Type of programme	No. of Programmes	No of Participants
1	Bimonthly Workshop	05	91
2	Pre-seasonal Training Programme	02	60
3	Agriculture - 6 (Oilseed) AGR-6	01	35
4	Other Training	09	540
	<b>Total</b>	<b>17</b>	<b>726</b>





**Benefisheries of Dept. of Agriculture & KVKs in Pre seasonal Training programme under T & V scheme**



**Dr. A.M.Parakhia, DEE, addressing the Officers of Dept. of Agriculture & KVKs in Bi monthly Training programme under T & V scheme**

**(B) Other Training Programmes**

The centre has continued to provide Scientific Knowledge to the farmers. The details of the programmes are given below.

***Khedut shibir and Diagnostic team visit***

No.	Subject	No. of Activities	No. of Scientists allotted	Beneficiaries
1	<i>Khedut Shibir</i>	21	03/Shibir	5376
2	Diagnostic Team	05	4-5/Team	231

**Training programme of Second year Master degree students of Lok Bharti, Lok Seva Mahavidyalaya, Sanosara, Dist. Bhavnagar.**

No.	No. of Trainees	Period
1	25	13.09.2016 to 17.09.2016

**Collaborative training**

No.	Name of training	Duration	Co- Organizer	No. of Trainees
1	“Aadrsh Pashupalan”	14-16 June-2016	ATMA, Project Anand	55
2	Training Programme on “Training Methods for Trainers of Extension Institutes”	17-20 October-2016	MANAGE, Hyderabad	30
3	Training Programme on “Recent Extension Approaches for Effective Transfer of Technology”	16-18 November -2016	Extension Education Institute, Anand	26
4	Training Programme on “Improved Agriculture Technology”	08-10 November -2016	IFFCO, Rajkot	41
5	Cultivation of Rabi Oil seed Crop	17-19 November -2016	ATMA, Project Mahesana	49

**Input dealers' courses:**

No.	Title of course	Duration	No. of Input dealer completed course
1	Diploma in Agricultural Extension Services for Input Dealers' (DAESI).	1 Year	50
2	Certificate in Agricultural Extension Services for Input Dealers'.	6 Month	40



**Participant's in Training Programme on “Training Methods for Trainers of Extension Institutes”**



**Dr. A.M.Parakhia, DEE, addressing the Participant's in Training Programme on “Recent Extension Approaches for Effective Transfer of Technology”**



**Dr. A.M.Parakhia, DEE, Inagurating the Training Programme on “Improved Agriculture Technology”**



**Dr. A.M.Parakhia, DEE, addressing the Participant's in Training Programme on “Cultivation of Rabi Oil seed Crop”**

## Other trainings

No.	Name of training	Duration	Organizer	No. of Trainees
1	Organic Farming	29/02/17 to 03/03/17	Directorate of Extension Education, JAU, Junagadh	20
2	Mahila Sashatikaran Talim	14/03/17 to 15/03/17	Directorate of Extension Education, JAU, Junagadh	154
3	Advances in Horticulture, Animal Husbandry and Value addition	20/02/17 to 22/02/17	Directorate of Extension Education, JAU, Junagadh	29
4	Training Programme on “Crop’s Grown in Green House/Net house”	20/02/17 to 06/03/17	Directorate of Extension Education, JAU, Junagadh	27

### (III) Training / Extension Education Programmes for Farmers/Farm Women

#### (A) Training Programmes

Training is essential to increase the efficiency of farmers, farm women, rural youths, *etc.* On-campus as well as off-campus training programmes

were organized based on the need and interest of the farming community.

Through the Transfer of Technology (TOT) Centres, 164 on-campus and 205 off-campus training programmes were organized, wherein 12675 participants received training. The details are given in Table 5.1.



**Dr. A.M.Parakhia, DEE, addressing the Participant's in Training Programme on “Advances in Horticulture, Animal Husbandry and Value addition”**



**Dr. A.M.Parakhia, DEE, Distributing Certificate in Training Programme on “Crop's Grown in Green House/Net house”**



**Table 5.1 Training programmes organized by the Transfer of Technology Centres(KVKs) for farmers/farm women during the year 2016-17**

No.	TOT Centre		No. of Trg. Prog.	No. of participants		Total
				Male	Female	
1	Jamnagar	A	27	1171	293	1464
		B	37	1148	404	1552
2	Targhadia	A	39	766	298	1064
		B	25	472	158	630
3	Amreli	A	19	578	215	793
		B	21	718	294	1012
4	Khapat	A	34	760	215	975
		B	54	1260	467	1727
5	Nanakandhasar	A	18	390	125	515
		B	32	654	268	922
6	Pipalia	A	27	469	133	602
		B	36	1078	341	1419
	Total	A	164	4134	1279	5413
		B	205	5330	1932	7262
<b>Grand Total</b>			<b>369</b>			<b>12675</b>

A= On-campus B=Off-campus



**On Campus training programme at KVK Jamnagar**



**Off Campus training programme at KVK Jamnagar**

### **(B) Extension Activities**

The Transfer of Technology (TOT) centres also planned and organized extension activities like seminar/workshop/symposium, field/farmer's day, agriculture fair/exhibition, film/slide/video show, field visit, cattle camp, farmers' group/demonstration meeting, *etc.* by which total 3,25,256 beneficiaries were benefited. The details of the extension activities organized and number of participants are given in Table 5.2

KVKs play an important role to provide guidance for income generation to the farmers by imparting skill oriented trainings. Besides, the KVKs conducted variety of extension activities, on farm testing, *etc.* The KVKs are also collecting feedback on farmers' problems, which are sent to the concerned scientists as these will provide guideline in reforming further research.





Table 5.2 Extension activities carried out by TOT centres during 2016-17

No.	Name of activity	KVK						Total
		Targhadia	Jamnagar	Khapat	Amreli	Nana Kandhasar	Pipalia	
1	KrushiMela	5 (1183)	5 (9979)	1 (851)	1 (500)	6 (8125)	16 (1235)	34 (21872)
2	Field day	10 (254)	26 (482)	10 (225)	11 (205)	13 (471)	12 (216)	82 (1853)
3	Guidance on farm	73 (422)	209 (978)	144 (198)	54 (354)	85 (598)	78 (246)	643 (2796)
4	Guidance to visitors	283 (1281)	552 (2599)	- (2388)	- (5236)	521 (5275)	- (784)	1362 (17563)
5	Press note	06 (00)	18 (00)	1 (00)	10 (00)	9 (00)	00 (00)	44 (00)
6	Khedutshibir/ Night shibir/ Group discussion	13 (418)	41 (1967)	04 (100)	48 (166)	05 (332)	18 (1089)	129 (4072)
7	Guidance through Telephone	(3361)	(64040)	(2272)	(2092)	(8386)	(1625)	(81776)
8	Krushigosthi/ Seminar	11 (256)	18 (1035)	24 (656)	03 (226)	13 (801)	46 (259)	115 (3233)
9	Khedut meeting	09 (346)	20 (614)	09 (238)	-	16 (583)	25 (1387)	79 (3168)
10	T.V. Programme	06	05	02	-	-	-	13
11	Radio talk	02	00	00	00	00	00	02
12	Popular articles	08	08	07	-	23	03	49
13	Video show/ Film show	10 (200)	157 (8264)	21 (801)	00	35 (1234)	15 (540)	238 (11039)
14	Cattle camp	02 (345)	01 (51)	00	00	00	09 (294)	12 (690)
15	Literature distribution	00 (6028)	00 (23604)	16 (2376)	00 (2128)	9178 (12748)	00 (5000)	9194 (51884)
16	Literature published	28 (00)	06 (00)	13 (00)	00 (00)	00 (05)	05 (00)	58 (37007)
17	Lectures delivered	23 (1175)	232 (13566)	26 (566)	70 (11689)	173 (10011)	00	524 (37007)
18	Scientist's Farm visit	73 (422)	287 (1285)	240 (240)	49 (304)	00	00	649 (2251)
19	Vocational training	01 (50)	03 (87)	05 (143)	00 (00)	02 (59)	01 (30)	12 (369)
20	Crop demonstration	12 (442)	23 (1379)	00	00	00	(255)	35 (2076)
21	Sponsored/ Collaboration training	13 (560)	32 (2034)	00 (00)	19 (1503)	04 (272)	00	68 (4369)



No.	Name of activity	KVK						Total
		Targhadia	Jamnagar	Khapat	Amreli	Nana Kandhasar	Pipalia	
22	Krushi-Go-Vidya subscriber Registered	03	02	20	00	00	00	25
23	Diagnostic team	15 (199)	64 (168)	00 (00)	16 (115)	00 (00)	33 (107)	128 (589)
24	Student (RAWE)	02 (60)	16 (400)	01 (24)	01 (76)	00 (00)	00 (00)	20 (560)
25	Celebration of technology week	01 (332)	01 (539)	01 (376)	01 (554)	01 (297)	01 (186)	06 (2284)
26	Soil Sample Analyzed	1497 (00)	624 (00)	2943 (00)	994 (00)	893 (00)	00 (00)	6951 (00)
27	Participated in Agril. Exhibition	03 (1754)	07 (20763)	03 (2817)	03 (558)	13 (8646)	01 (4259)	30 (38798)
							<b>Total</b>	<b>20,502 (3,25,256)</b>

\* Figures in parentheses indicate number of beneficiaries/copies

### (C) Front Line Demonstrations (FLD)

The aim of front line demonstration is to demonstrate the production potentialities of newly released and pre-released production technologies of cotton, wheat, cumin, vegetables, pulses and oilseeds on farmer's field.

In all, 959 FLDs were conducted on various oilseeds and pulses, viz., castor, mustard, groundnut, sesamum, cotton, gram, wheat, pearl millet and cumin in 356 ha during *kharif* and *rabi* seasons through KVKs. The results are present in Table 5.3

**Table 5.3: Performance of frontline demonstrations organized during 2016-17**

No	Centre	Crop	Variety/ Treatment	No. of FLDS	Area (ha)	Av. yield (q/ha)		Increase in yield (%)
						Demo.	Local check	
1.	KVK, Targhadia	Groundnut	GJG-22	50	20	22.23	20.73	6.6
		Pigeon Pea	ICM	50	20	20.15	17.08	17.95
		Chick Pea	GJG-5	10	4	13.88	12.40	20.69
		Cotton	IPM	10	4	21.78	19.45	11.19
		Wheat	INM	5	2	57.25	51.50	11.16
		Cumin	IPM	10	4	7.86	6.75	16.4
		Nutrient Management	Chelated mineral mixer	20	1	1550	1475	5.06
		Onion	Guj-1	5	2	246	234	5.12
		Garlic	G.G-4	5	2	50	66.25	24.5
		Solar Cooker	--	10	-	-	-	-



No	Centre	Crop	Variety/ Treatment	No. of FLDS	Area (ha)	Av. yield (q/ha)		Increase in yield (%)
						Demo.	Local check	
2.	KVK Jamnagar	Groundnut	GG-20	10	4	24.75	22.73	8.91
		Groundnut	GG -20	60	24	24.69	18.75	10.09
		Groundnut	IPM	5	2	22.75	20.88	8.98
		Green Gram	GM-4	10	4	4.39	4.04	8.69
		Chick Pea	GIG-3	75	30	20.06	16.8	19.40
		Wheat	INM	10	4	43.25	40.13	7.79
		Bajara	GHB-732	10	4	21.31	19.54	9.05
		Pigeon Pea	ICM	50	20	20.15	17.08	17.95
		Cumin	GC-4	10	4	7.28	6.42	13.44
		Cotton	IPM	20	8	21.94	19.86	10.61
3.	KVK Amreli	Chilli	Plastic mulch	2	0.4	48.13	42.50	13.29
		Groundnut	GG-9	5	2	25.68	19.7	30.2
		Castor	GCH-7	40	11.5	38.01	34.27	11.03
		Onion	Sulpher	5	2	410.4	379	8.32
		Wheat	GW-366	10	4	45.05	37.92	18.8
		Cumin	GC-4	10	4	5.8	4.28	18.81
		Coriander	GC-2	10	4	12.99	11.16	16.76
		Sesamum	GT-3	20	8	8.22	6.97	16.59
		Pigeon Pea	Vaishali	10	4	21.06	17.79	18.40
		Green Gram	GM-4	18	7.2	9.22	7.82	18.27
4.	KVK Khapat	Wheat	INM	20	10	31.86	28.44	12.10
		Gram	GG-3	24	8	20.45	17.75	15.20
		Green Gram	GM-4	10	4	19.81	17.52	13.10
		Groundnut	INM	20	8	18.87	16.23	16.26
		Groundnut	GJG-22	40	6.4	20.15	16.23	24.15
		Lucern	-	10	5	751	656	14.5
		Cumin	IDM	20	12	10.81	9.68	11.73
5.	KVK Nankhadhasar	Groundnut	IDM	10	4	16.25	15.58	7.51
		Cotton	B.T.	25	10	18.19	17.09	6.44
		Till	Guj-3	10	4	8.37	5.31	15.76
		Green Gram	GJ-4	10	4	4.9	4.45	10.11
		Wheat	GW- 366	20	8	49.11	44.38	10.66
		Cumin	IDM	20	8	7.83	7.21	8.60
		Gram	GJG-3	10	4	18.13	17.17	5.59
6.	KVK Pipalia	Groundnut	IPM	35	5.5	27.81	25.28	10.01
		Groundnut	GG-20	10	4	21.38	19.35	10.49
		Cotton	IPM	10	4	19.65	17.05	15.25
		Cotton	INM	50	20	21.9	20	9.50
		Wheat	Varietal	10	5	47	41	14.63
		Cumin	Varietal	10	4	9.6	8.1	18.52
		Till	G. Til-3	10	4	-	-	-
Chick Pea	GG-5	10	4	28.8	25.1	14.74		
<b>Total</b>				<b>959</b>	<b>356</b>			



#### (D) Farm Advisory Service Scheme/SSK, Junagadh

The Farm Advisory Service Scheme has been continued at SSK, Junagadh with a view to provide guidance and the latest information to the farmers on scientific farming. The farmers were advised regarding

their farm problems through correspondence and field visit. This centre acted as a link among research scientists, extension workers and farmers. During the year under report, various extension activities carried out by the centre are given below.

No.	Name of activity	No. of activities	No. of participants
1	Agril. Fair	4	27,693
2	Agril. Exhibitions	12	31,500
3	Guidance (Telephone & Personal Contact)	-	10,156
4	Visitors	-	8,376
<b>Total</b>		<b>16</b>	<b>77,725</b>

#### (E) Extension Activities under Centre of Communication (COC) Scheme

##### Objectives of COC Scheme

- |   |   |
|---|---|
| <p>a. To establish the <i>Gram Kisan Samitis</i> (GKS) in the rural areas.</p> <p>b. To train the members of <i>Gram Kisan Samitis</i> in leadership, communication and cooperation for transfer of technologies.</p> | <p>c. To disseminate the latest agricultural and allied technologies through <i>Gram Kisan Samitis</i> in rural areas.</p> <p>d. To carry out different extension activities through GKS in different villages.</p> <p>e. To know the feedbacks from the farmers.</p> |
|---|---|

#### Three-day on campus training programme under Centre of Communication (COC) Scheme

No.	Subject	No. of Training Programmes	No. of Beneficiaries
1	Training programmes for farmers on scientific farming	01	25
<b>Total</b>		<b>01</b>	<b>25</b>

#### Two-day on campus training programme under Centre of Communication (COC) Scheme

No.	Subject	No. of Training Programmes	No. of Beneficiaries
1	Training programmes for farmers on Improved Agricultural Practices	02	77
<b>Total</b>		<b>02</b>	<b>77</b>

#### One-day on campus training programme under Centre of Communication (COC) Scheme

No.	Subject	No. of Training Programmes	No. of Beneficiaries
1	Training programmes for farmers on scientific farming	01	31
<b>Total</b>		<b>01</b>	<b>31</b>



**Formation of Gram Kisan Samitis during the year 2016-17**

No.	Date	Village	Taluko	District	Beneficiaries
1.	14/05/2016	Rajagadh	Kotda sangani	Rajkot	12
2.	19/08/2016	Moviya	Gondal	Rajkot	12
3.	20/08/2016	Makhiyala	Junagadh	Junagadh	12
4.	26/08/2016	Monpur	Amreli	Amreli	12
5.	30/08/2016	Gingni	Jamjodhpur	Jamjodhpur	12
6.	01/09/2016	Charadva	Morbi	Morbi	12
7.	06/9/2016	Nana mandva	Kotda sangani	Rajkot	12
8.	18/11/2016	Bamangadh	Bhesan	Junagadh	12
9.	20/11/2016	Navagam	Lathi	Amreli	12
10.	18/12/2016	Chodaval	Mendarda	Junagadh	13
11.	19/12/2016	Pajod	Manavadar	Junagadh	12
12.	28/01/2017	Gondal	Gondal	Gondal	12
13.	03/03/2017	Ishwariya	Porbandar	Porbandar	12
14.	15/03/2017	Pikhot	Maliya	Junagadh	13
15.	20/03/2017	Anblash	Talala(gir)	Gir somnath	14
16.	22/03/2017	Sadapadara	Paddhari	Rajkot	13
17.	24/03/2017	Biladi	Gondal	Rajkot	12
18.	25/03/2017	Mahobatpur	Vanthali	Junagadh	12
<b>Total</b>					<b>221</b>

**KhedutShibirs organized during the year 2016-17 under COC scheme**

No.	Date	Village	Taluko	District	Beneficiaries
1.	29/04/2016	Makhiyala	Junagadh	Junagadh	48
2.	02/06/2016	Monpur	Amreli	Amreli	91
3.	21/08/2016	Navagam	Lathi	Amreli	34
4.	27/09/2016	Mithapur	Mendarda	Junagadh	50
5.	15/07/2016	Pipliya	Dhoraji	Rajkot	25
6.	10/03/2017	Bamngth	Bhesan	Junagadh	52
7.	28/03/2017	Vithalapur	Kodinar	Gir Somnath	53
<b>Total</b>					<b>353</b>

**Bakery Talim organized during the year 2016-17 under COC scheme**

No.	Date	Village	Taluko	District	Beneficiaries
1.	02/06/2016	Monpur	Amreli	Amreli	24
2.	15/07/2016	Pipliya	Dhoraji	Rajkot	33
3.	21/07/2016	Navagam	Lathi	Amreli	30
4.	20/09/2016	Mithapur	Mendarda	Junagadh	36
5.	08/01/2017	Gorej	Mangrol	Junagadh	118
6.	10/01/2017	Navagam	Vanthali	Junagadh	62
7.	14/03/2017	Zapodad	Vanthali	Junagadh	30
8.	28/03/2017	Vithalapur	Kodinar	Gir Somnath	41
<b>TOTAL</b>					<b>374</b>



### (F) Extension Activities carried out by Extension Education Centres

Extension activities carried out by various Extension Education Centres during the year are given below.

No.	Name of activity	SardarSmruti Kendra, Junagadh	Fisheries Res. Station, Okha	School of Baking, Junagadh	Total
1	Krushimela	03 (15193)	00 (00)	00 (00)	03 (15193)
2	Guidance on farm	-	3	12	15
3	Guidance to visitors	(8376)	47 (2256)	7 (326)	54 (10958)
4	Press note	30	-	-	30
5	Khedutshibir/ Night shibir/ Group discussion	--	-	31 (1448)	31 (1448)
6	Guidance through Telephone	(1780)	-	-	(1780)
7	Guidance through Letter	(04)	-	-	(04)
8	Video show/ Film show	-	-	-	-
9	Literature distribution	(13375)	01 (375)	-	01 (13750)
10	Literature Publication	05	-	-	05
11	Fisheries Training	-	02 (310)	-	02 (310)
12	Bakery Training	--	--	04 (1817)	04 (1817)
13	Agri.Exhibition	06 (26150)	-	-	06 (26150)
14	Agri.Literature show	06 (14200)	-	-	06 (14200)
				<b>Total</b>	<b>157 (85,610)</b>

\* Figures in parentheses indicate no. of beneficiaries/copies

#### Radio Talks and TV Programmes

The scientists of the university delivered radio talks from time to time on various agricultural and allied subjects from All India Radio, Rajkot. Moreover, the agricultural messages were also broadcasted from All India Radio, Rajkot. During the year under the report, 25 such talks were delivered on different topics related to agriculture, horticulture, agricultural engineering, fisheries, animal husbandry, etc.

In all, 24 television programmes covering various aspects of agriculture, animal husbandry, agricultural engineering, horticulture, fisheries, home science, etc. were telecasted through Doordarshan Kendra, Rajkot in “Gram Jagat” “Krishi Darshan” programme for the benefit of farming community.



#### 5.4 Publication of Extension Education Literature

No	Name of Office	Publication		
		Pamphlets	Folder	Booklet/Book
1	Sardar Smruti Kendra, Junagadh	-	-	05
2	DEE Office, Junagadh	-	21	-
<b>Total</b>		<b>-</b>	<b>21</b>	<b>06</b>

University news bulletin named as “*JAU News letter*” is being published regularly by Directorate of Extension Education.

#### Establishment of AGRISNET studio and Community Radio Station (CRS):

AGRISNET studio is established for the production of various multi media gadgets/ video CDs on modern agricultural technologies for farmers. During Krushi Mahotsav- 2016, video CD on Various agricultural technologies in Gujarati were prepared and distributed.

Infra- structural facilities for establishment of community radio station (*JUNAGADH JANVANI*) is created. The equipments for recording, editing and broadcasting have been purchased.

#### 5.5 Coordination of Extension Activities with Department of Agriculture, Horticulture, Animal Husbandry and Other Line Departments

Junagadh Agricultural University planned and organized various extension education programmes/ activities in coordination with different line departments of the state. The structural linkages exist under T & V system by constituting the technical committee at district, zonal and state level. The agricultural programmes of All India Radio as well as Doordarshan were finalized by such coordinated efforts. In AGRESKO, the officers of other line

departments are the members and they contribute in formulation of technical programmes as well as in finalizing the recommendations for the farmers. The functional linkages also exist under T & V system through bi-monthly workshops, pre-seasonal workshops, fortnightly training, diagnostic team, state level crop seminars/workshop, etc. The coordination exists in follow-up programmes as well as in planning of farm trials. For transfer of technologies to the farmers, the farmer's day, *krushi mela*, group discussion, film show, etc. were organized through collaborative efforts.

#### 5.6 Orientation Training Programme

During the year under report, 23 scientists/ teachers of the University were deputed for participating in the orientation training programmes/ seminar/workshop/symposium, etc. organized within and outside the state to upgrade knowledge and skill for improving their faculty competence in respective disciplines.

#### *Krushi Mahotsav-2016*

Government of Gujarat is celebrating *Krushi Mahotsav* since 2005-06. In the *Krushi Mahotsav-2016*, Junagadh Agricultural University has spared services of about 300 scientists/officers to advise the farming community about the latest agricultural technologies.

#### Kharif Krushi Mahotsav- 2016

No.	Date	Places	Beneficiaries
1.	09/05/16 to 31/05/16	Amreli, Jamnagar, Devbhumi Dwarka, Bhavanagar, Botad, Junagadh, Gir Somnath, Porbandar, Surendranagar, Rajkot, Morbi	49,122



### Mega Event during Krushi Mahotsav-2016

No.	Date	Places	Beneficiaries
1.	14-15 May 2016	Junagadh	17,000

### Seminars organized during the Krushi Mahotsav- 2016

No.	Subject	Place	Date	Beneficiaries Farmers/ Farm women
1.	Animal Husbandry and Cooperation	Junagadh	14/05/2016	224
2.	Advanced in Horticulture Farming and Water Conservation	Junagadh	15/05/2016	320
3.	Agriculture and Value Addition	Junagadh	15/05/2016	250

### E-Literature (CD/DVD) distributed during the Krushi Mahotsav- 2016

- ❖ Pink ballworm- Integrated Management
- ❖ Scientific Cultivation of Green Gram
- ❖ Important Pulse Crop Pigeon Pea







### GLIMPSES OF ACTIVITIES OF DIRECTORATE OF EXTENSION EDUCATION



Hon'ble VC Dr. A.R. Pathak & Agri. Minister Shri Babubhai Bokhiria Wel coming to Hon'ble Chief Minister Shrimati Anandiben Patel at Junagadh



Hon'ble Chief Minister Shrimati Anandiben Patel visit different Agri. stalls in the Krishi Mela - 2016 held at Junagadh



Hon'ble Chief Minister Shrimati Anandiben Patel giving inaugural speech in the Krishi Mela- 2016 held at Junagadh



A large number of Farm women remain present in the Krishi Mela- 2016 held at Junagadh



Beneficiaries of Seminar organized during Krishi Mela- 2016 held at Junagadh



Farmers visit different Agri. stalls in the Krishi Mela- 2016 held at Junagadh





**Celebration of Technology Week at KVK, Jamnagar**



**Hon'ble VC Dr. A.R. Pathak addressing the members in SAC meeting at KVK, Pipalia**



**Field Day Organized by KVK, Jamnagar**



**Hon'ble VC Dr. A.R. Pathak Inaugurating "Varsha Vigyan Parisamvad"**



**Dr. A.M. Parakhia, DEE, giving Inaugurating speech in Foundation Stone Laying of Krushi Vigyan Kendra, Morbi**



**Celebration of Technology Week at KVK Pipalia**