



**DIRECTORATE OF RESEARCH  
ANAND AGRICULTURAL UNIVERSITY  
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To,

1. All University Officers, AAU, Anand
2. All Conveners of AGRESCO Sub-Committee, AAU, Anand
3. All Unit / Sub-Unit Officers of AAU, Anand

Sub : Experiment code number.....11<sup>th</sup> combined AGRESCO

Enclosed, please find herewith the code numbers assigned to the new technical programme/s which is/are approved in eleventh Combined AGRESCO of SAUs held during 7-9 April, 2015 at AAU, Anand. Now you are requested to use these code numbers in AGRESCO report in future.

Encl : As above

  
**DIRECTOR OF RESEARCH & DEAN  
FACULTY OF P. G. STUDIES**

## NEW TECHNICAL PROGRAMMES APPROVED IN 11<sup>TH</sup> COMBINED AGRESO HELD AT AAU, ANAND (2015)

### Abbreviations

**CI :** Crop Improvement

**CP :** Crop Production

**PP :** Plant Protection

**SC :** Social Sciences

**AP :** Animal Production and Fisheries

**AH :** Animal Health

**AE-AIT :** Agricultural Engineering and Agricultural  
Information Technology

**DS-FPT :** Dairy Science and Food Processing Technology

Sr. No.	Title of Experiment	Code Number	Implementing Department/Unit
11.1 Crop Improvement			
11.1.2.1	Morphological and molecular characterization of Soybean ( <i>Glycine max</i> L. Merrill.) genotypes.	CI/ Genetics & Plant Breeding / 2015/01	Professor & Head, Dept. of Genetics & Plant Breeding, BACA, Anand
11.1.2.2	Effect of accelerated aging on seed viability, vigour and oil quality of different genotypes of Soybean	CI/ Seed Science & Technology/2015/01	Prof. & Head, Dept. of Seed Science & Technology, BACA, AAU, Anand
11.1.2.3	Effect of seed pelleting and storage environment on seed viability and vigour in Onion	CI/ Seed Science & Technology/2015/02	Dept. of Seed Science & Technology, BACA, AAU, Anand
11.1.2.4	Collection, conservation and establishment of Charoli ( <i>Buchanania lanzan</i> Spreng) genotypes at Anand	CI/ M&AP/2015/01	Medicinal & Aromatic Plants Res. Station, AAU, Anand
11.1.2.5	Preliminary Evaluation Trial of Promising Local Germplasm of Urdbean	CI/ TRTC, Devgadh Baria /2015/01	Tribal Research-cum-Training Centre, AAU, Devgadhbaria
11.2 Crop Production			
11.2.2.1	Comparative efficiency of sulphur containing fertilizers on soybean-onion crop sequence	CP/ Micronutrient project /2015/01	Micronutrient project (ICAR), AAU, Anand
11.2.2.2	Effect of boron and cutting management in seed production of lucerne ( <i>Medicago sativa</i> L.)	CP/ MFRS /2015/01	Main Forage Research Station, AAU, Anand
11.2.2.3	Influence of nitrogen levels on yield and quality of guinea grass	CP/ MFRS /2015/02	Main Forage Research Station, AAU, Anand
11.2.2.4	Revalidation of fertilizer dose of different <i>rustica</i>	CP/BTRS/2015/01	Bidi Tobacco Research

	tobacco varieties.		Station, AAU, Anand
11.2.2.5	Assessment of alternate crop sequences for bidi tobacco growing area of middle Gujarat agro- climatic zone	CP/BTRS/2015/02	Bidi Tobacco Research Station, AAU, Anand
11.2.2.6	Effect of secondary and micronutrients on growth, yield and quality of tobacco	CP/BTRS/2015/03	Bidi Tobacco Research Station, AAU, Anand
11.2.2.7	Effect of organic manures on yield and quality of Tulsi ( <i>Ocimum sanctum</i> ) under middle Gujarat conditions.	CP/M&AP /2015/01	Medicinal & Aromatic Plants Res. Station, AAU, Anand
11.2.2.8	Varietal performance of hybrid maize under different levels of nitrogen and phosphorus in kharif season	CP/MMRS /2015/01	Main Maize Research Station, AAU, Godhra
11.2.2.9	Varietal performance of hybrid maize under different levels of nitrogen and phosphorus in <i>rabi</i> Season	CP/MMRS /2015/02	Main Maize Research Station, AAU, Godhra
11.2.2.10	Effect of sowing time and spacing on growth and yield of chickpea for green pod	CP/ ARS, Derol /2015/01	ARS, AAU, Derol
11.2.2.11	Response of different nitrogen levels and time of application through fertigation on green cob yield of sweet corn ( <i>Zea mays</i> L. Sachharata Strut) under middle Gujarat conditions.	CP/ TRTC, Devgadha Baria /2015/01	Tribal Research-cum-Training Centre, AAU, Devgadha Baria
11.2.2.12	Effect of cow dung and Anubhav biodegradable bacterial consortium (ABBC) on composting of banana pseudo stem and maize fodder (waste) for preparation of vermi compost.	CP/ ARS, Jabugam /2015/01	ARS, AAU, Jabugam
11.2.2.13	Soil test based fertilizer prescriptions through inductive cum targeted yield model for rice.	CP/ Agri. Wing, Jabugam /2015/01	Agri. Wing, AAU, Jabugam
11.3 Plant Protection			
I. Agril Entomology			
11.3.2.1	Bio-efficacy of selected insecticides against pink bollworm in <i>Bt</i> cotton	PP/Entomology/2015/01	Professor and Head, Department of Entomology, BACA, , Anand
11.3.2.2	Bio-efficacy of microbial insecticides against sucking pests in <i>Bt</i> cotton	PP/Biological control /2015/01	AICRP on Biological control, AAU, Anand
11.3.2.3	Bio-efficacy of microbial insecticides against <i>Spodoptera litura</i> Fabricius in cabbage	PP/Biological control /2015/02	AICRP on Biological control, AAU, Anand
11.3.2.4	Evaluation of insecticidal toxicity against parasitoid of tobacco mealy bug, <i>Phenacoccus solenopsis</i> Tinsley under field and laboratory	PP/BTRS(Ento)/2015/01	Associate Research Scientist (Entomology), BTRS, Anand
11.3.2.5	Screening of rustica tobacco genotypes against leaf eating caterpillar ( <i>Spodoptera litura</i> Fabricius) in nursery	PP/BTRS(Ento)/2015/02	Associate Research Scientist (Entomology), BTRS, Anand
11.3.2.6	Residues and persistence study of dimethoate 30 EC	PP/Pesticide	Residue Analyst, AINP on

	in cotton	Residues/2015/01	Pesticide Residues, AAU, Anand
11.3.2.7	Residues and persistence study of Afidopyropen 5 DC in brinjal	PP/Pesticide Residues/2015/02	Residue Analyst, AINP on Pesticide Residues, Anand
11.3.2.8	Residues and persistence study of Afidopyropen 5 DC in cotton	PP/Pesticide Residues/2015/03	Residue Analyst, AINP on Pesticide Residues, Anand
11.3.2.9	Residues and persistence study of pyraclostrobin 2.5 % + fipronil 25 % + thiophanate methyl 22.5 % - 50 FS in soybean	PP/Pesticide Residues/2015/04	Residue Analyst, AINP on Pesticide Residues, Anand
11.3.2.10	Residues and persistence study of pyraclostrobin 2.5 % + fipronil 25 % + thiophanate methyl 22.5 % – 50 FS in groundnut	PP/Pesticide Residues/2015/05	Residue Analyst, AINP on Pesticide Residues, AAU, Anand
11.3.2.11	Residues and persistence study of fluopyram 200 + tebuconazole 200 – 400 SC in mango	PP/Pesticide Residues/2015/06	Residue Analyst, AINP on Pesticide Residues, Anand
11.3.2.12	Residues and persistence study of fosetyl AI 80 WP in tomato	PP/Pesticide Residues/2015/07	Residue Analyst, AINP on Pesticide Residues, Anand
11.3.2.13	Residues and persistence study of fluopyrum 400 SC in tomato	PP/Pesticide Residues/2015/08	Residue Analyst, AINP on Pesticide Residues, Anand
11.3.2.14	Monitoring of pesticide residues at national level	PP/Pesticide Residues/2015/09	Residue Analyst, AINP on Pesticide Residues, Anand
11.3.2.15	Studies on pesticide residues from surface and ground water under SSP phase - I area	PP/Pesticide Residues/2015/10	Residue Analyst, AINP on Pesticide Residues, Anand
11.3.2.16	Studies on pesticide residues from surface and ground water under SSP phase - II area Kheda, Ahmedabad and Gandhinagar region	PP/Pesticide Residues/2015/11	Residue Analyst, AINP on Pesticide Residues, Anand
11.3.2.17	Studies on pesticide residues from surface and ground water under SSP phase - II area Saurashtra region	PP/Pesticide Residues/2015/12	Residue Analyst, AINP on Pesticide Residues, Anand
11.3.2.18	Integrated Pest Management in okra	PP/MVRS (Ento)/2015/01	Asstt. Res. Scientist, Main Vegetable Research Station, AAU, Anand
11.3.2.19	Impact of sowing periods and variety on the population of thrips in summer green gram	PP/ ARS (Ento),Derol/2015/01	Asstt. Research Scientist(Ento.), Agril. Research Station, Derol
<b>II. Plant Pathology</b>			
11.3.2.20	Field evaluation of fungicides for the management of pyricularia leaf spot/ blast disease of pearl millet	PP/Pl. Pathology/2015/01	Professor & Head, Department of Pl. Pathology, BACA, Anand
11.3.2.21	Management of early blight of potato	PP/Pl. Pathology/2015/02	Professor & Head, Department of Pl. Pathology,

			BACA, Anand
11.3.2.22	Evaluation of seed treatment with bioagents for management of soil borne diseases in mungbean	PP/Pl. Pathology/2015/03	Professor & Head, Department of Pl. Pathology, BACA, Anand
11.3.2.23	Management of cumin blight disease through fungicide application	PP/Pl. Pathology/2015/04	Professor & Head, Department of Pl. Pathology, BACA, Anand
11.3.2.24	Investigations on the prevalence of designated objectionable diseases of pearl millet under the changing climate situations through fixed plot survey	PP/Pl. Pathology/2015/05	Professor & Head, Department of Pl. Pathology, BACA, , Anand
III. Nematology			
11.3.2.25	Screening of pigeonpea lines/germplasm against root-knot nematodes	PP/Nematology/2015/01	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.26	Plant parasitic nematodes infecting major crops in the State and pest risk analysis - Cereals & Millets	PP/Nematology/2015/02	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.27	Plant parasitic nematodes infecting major crops in the State and pest risk analysis - Pulse crops	PP/Nematology/2015/03	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.28	Plant parasitic nematodes infecting major crops in the State and pest risk analysis - Fruit crops	PP/Nematology/2015/04	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.29	Plant parasitic nematodes infecting major crops in the State and pest risk analysis - Fibre crops	PP/Nematology/2015/05	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.30	Plant parasitic nematodes infecting major crops in the State and pest risk analysis - Spices	PP/Nematology/2015/06	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.31	Plant parasitic nematodes infecting major crops in the State and pest risk analysis - Protected Cultivation Systems	PP/Nematology/2015/07	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.32	Plant parasitic nematodes infecting major crops in the State (newer areas not covered so far) and pest risk analysis - Vegetable crops	PP/Nematology/2015/08	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.33	Impact of economically important nematode populations on crop yield from the identified hot spot areas - Cereals	PP/Nematology/2015/09	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.34	Impact of economically important nematode populations on crop yield from the identified hot spot	PP/Nematology/2015/10	Professor & Head, Department of Nematology,

	areas – Pulses		BACA, , Anand
11.3.2.35	Impact of economically important nematode populations on crop yield from the identified hot spot areas – Oilseeds & Fibre crops	PP/Nematology/2015/11	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.36	Impact of economically important nematode populations on crop yield from the identified hot spot areas - Fruit crops	PP/Nematology/2015/12	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.37	Estimation of avoidable yield losses due to economically important nematodes under nematode infested conditions	PP/Nematology/2015/13	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.38	Screening, confirmation and field evaluation of promising resistant germplasms of Vegetable Crops against root-knot nematode & reniform nematode	PP/Nematology/2015/14	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.39	Evaluation of bio-pesticides for the management of root – knot nematodes ( <i>Meloidogyne</i> spp.) in tomato	PP/Nematology/2015/15	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.40	Evaluation of bio-pesticides for the management of root - knot nematodes ( <i>Meloidogyne</i> spp.) in okra	PP/Nematology/2015/16	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.41	Screening, confirmation and field evaluation of promising resistant germplasm of pulse crops against important nematodes - mung	PP/Nematology/2015/17	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.42	Screening, confirmation and field evaluation of promising resistant germplasm of pulse crops against important nematodes - blackgram	PP/Nematology/2015/18	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.43	Screening, confirmation and field evaluation of promising resistant germplasm of pulse crops against important nematodes - chickpea	PP/Nematology/2015/19	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.44	Screening, confirmation and field evaluation of promising resistant germplasm of pulse crops against important nematodes - cowpea	PP/Nematology/2015/20	Professor & Head, Department of Nematology, BACA , Anand
11.3.2.45	Screening, confirmation and field evaluation of promising resistant germplasm of pulse crops against important nematodes - pigeonpea	PP/Nematology/2015/21	Professor & Head, Department of Nematology, BACA , Anand
11.3.2.46	Screening of oilseeds and fibre crops against key nematode pests - Groundnut	PP/Nematology/2015/22	Professor & Head, Department of Nematology, BACA , Anand
11.3.2.47	Screening of oilseeds and fibre crops against key nematode pests - Castor	PP/Nematology/2015/23	Professor & Head, Department of Nematology, BACA , Anand

11.3.2.48	Screening of oilseeds and fibre crops against key nematode pests - Sunflower	PP/Nematology/2015/24	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.49	Screening of oilseeds and fibre crops against key nematode pests - Cotton	PP/Nematology/2015/25	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.50	Management of <i>Meloidogyne javanica</i> on groundnut by using non host / antagonistic crops	PP/Nematology/2015/26	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.51	Management of root-knot nematode, <i>M. javanica</i> pt. 2 in groundnut	PP/Nematology/2015/27	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.52	Management of <i>R. reniformis</i> in castor	PP/Nematology/2015/28	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.53	Effect of organic amendments and bio-control agents in citrus against <i>M. indica</i>	PP/Nematology/2015/29	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.54	Basic studies on root-knot nematodes, <i>Meloidogyne</i> spp. infecting crops in India	PP/Nematology/2015/30	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.55	Co-ordinated trial on exploitation of potential bio-control agents from different agro-climatic regions of India	PP/Nematology/2015/31	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.56	Impact of climate change on plant parasitic nematode density in different agro-Climatic zone	PP/Nematology/2015/32	Professor & Head, Department of Nematology, BACA, , Anand
11.3.2.57	Biological control of chilli anthracnose disease	PP/Biological control /2015/03	Principal Res. Scientist, AICRP on Biological control, AAU, Anand
11.3.2.58	Monitoring resistance development in <i>Pythium aphanidermatum</i> to azoxystrobin	PP/BTRS(Patho)/2015/01	Associate Research Scientist (Pathology), BTRS, Anand
11.3.2.59	Effect of planting dates and topping levels on occurrence of diseases in bidi Tobacco cv. GABT 11 (Modification in Technical Programme Approved in 10 <sup>th</sup> PPSC)	PP/BTRS(Patho)/2015/02	Associate Research Scientist (Pathology), BTRS, Anand
11.4 Horticulture and Agro Forestry			
11.4.2.1	Comparative performance of leafy vegetables under net house conditions	CP/Horticulture/2015/01	Professor & Head, Department of Horticulture, BACA, Anand

11.4.2.2	Effect of rejuvenation on growth, yield and quality of mango cv. Rajapuri in old orchard under Middle Gujarat agro climatic conditions	CP/Horticulture/2015/02	Professor & Head, Department of Horticulture, BACA, Anand
11.4.2.3	Effect of Nitrogen and Plant growth regulators on growth, flowering and corm yield of gladiolus ( <i>Gladiolus grandiflorus</i> L.) cv. American Beauty under middle Gujarat Agro climatic conditions	CP/Horticulture wing /2015/01	College of Horticulture (Wing), BACA, AAU, Anand
11.4.2.4	Nutrient management through fertigation in guava	CP/ ARS, Thasra /2015/01	ARS, AAU, Thasra
11.4.2.5	Performance of different varieties of potato under different spacing for middle Gujarat	CP/ Hort., Khambholaj/2015/01	HRS, AAU, Khambholaj
11.4.2.6	Performance of different varieties of papaya under different spacing for middle Gujarat agro climatic conditions	CP/ Hort., Khambholaj/2015/02	HRS, AAU, Khambholaj
11.4.2.7	Effect of grafting height and cultivars on performance of soft - wood grafting in mango	CP/ Polytechnic in Horticulture, Vadodara /2015/01	Polytechnic in Horticulture, AAU, Vadodara
11.4.2.8	Effect of chemical fertilizers and bio- organics on growth, yield and quality of okra ( <i>Abelmoschus esculentus</i> L. Moench) cv. Gujarat Anand Okra-5	CP/ Polytechnic in Horticulture, Vadodara /2015/02	Polytechnic in Horticulture, AAU, Vadodara
<b>11.5 Dairy Science and Food Processing Technology</b>			
11.5.2.1	Study on use of <i>Mulberry</i> in development of Natural Ice cream	DS-FPT/Dairy Technology/2015/01	Professor & Head, Department of Dairy Technology, DSC, Anand
11.5.2.2	Comparative appraisal of physical, chemical, instrumental and sensory evaluation methods for monitoring oxidative deterioration of ghee	DS-FPT/Dairy Chemistry /2015/01	Professor & Head, Department of Dairy Chemistry, DSC, Anand
11.5.2.3	Development of methods for detection of adulteration in Milk and Milk Products	DS-FPT/Dairy Chemistry /2015/02	Professor & Head, Department of Dairy Chemistry, DSC, Anand
11.5.2.4	Utilization of paneer whey in cultured buttermilk	DS-FPT/Dairy Chemistry /2015/03	Professor & Head, Department of Dairy Chemistry, DSC, Anand
11.5.2.5	Preparation of ghee from camel milk and evaluation of shelf life	DS-FPT/Dairy Chemistry /2015/04	Professor & Head, Department of Dairy Chemistry, DSC, Anand
11.5.2.6	Engineering interventions for commercial production of	DS-FPT/Dairy Engineering	Professor & Head,



	' <i>kheer&amp;doodhpak</i> '	/2015/01	Department of Dairy Engineering, DSC, Anand
11.5.2.7	Process re-engineering for the manufacture of ' <i>shrikhand</i> '	DS-FPT/Dairy Engineering /2015/02	Professor & Head, Department of Dairy Engineering, DSC, Anand
11.5.2.8	Energy efficient innovative process for manufacture of long-life ' <i>carrot halwa&amp; bottle gourd halwa</i> '	DS-FPT/Dairy Engineering /2015/03	Professor & Head, Department of Dairy Engineering, DSC, Anand
11.5.2.9	Optimization of biomass production for probiotic <i>Lactobacillus helveticus</i> MTCC 5463	DS-FPT/Dairy Microbiology /2015/01	Professor & Head, Department of Dairy Microbiology, DSC, Anand
11.5.2.10	Development of value added fermented milk containing drumstick	DS-FPT/Dairy Microbiology /2015/02	Professor & Head, Department of Dairy Microbiology, DSC, Anand
11.5.2.11	Evaluation of bacterial culture for treatment of dairy effluent	DS-FPT/Dairy Microbiology /2015/03	Professor & Head, Department of Dairy Microbiology, DSC, Anand
11.5.2.12	Bio-prospecting of lactic cultures from north-eastern regions to develop functional fermented soya foods with potential health benefits	DS-FPT/Dairy Microbiology /2015/04	Professor & Head, Department of Dairy Microbiology, DSC, Anand
11.5 Agricultural Engineering and Agricultural Information Technology			
11.5.2.13	Development of whey based RTS fruit beverage from musk melon and lemon	AE-AIT/PHE, FPT&BE/2015/01	Professor & Head, PHE, FPT & BE, Anand
11.5.2.14	Design and development of SSHE for <i>kajukatli</i> manufacturing	AE-AIT/ FE, FPT&BE/2015/01	Professor & Head, FE, FPT & BE, Anand
11.5.2.15	Ohmic heating of mango pulp	AE-AIT/ FE, FPT&BE/2015/02	Professor & Head, FE, FPT & BE, Anand
11.5.2.16	Design and development of DELTA robot for handling of food products	AE-AIT/ FE, FPT&BE/2015/03	Professor & Head, FE, FPT & BE, Anand
11.5.2.17	Study on water use and conservation in food industry	AE-AIT/ FE, FPT&BE/2015/04	Professor & Head, FE, FPT & BE, Anand
11.5.2.18	Super critical fluid extraction of oleoresins from red chilli	AE-AIT/FQA, FPT&BE/2015/01	Professor & Head, FQA, FPT & BE, Anand
11.5.2.19	Prevalence and antimicrobial resistant pattern of Salmonella in raw milk in Anand town	AE-AIT/FQA, FPT&BE/2015/02	Professor & Head, FQA, FPT & BE, Anand
11.5.2.20	Ready to eat extruded food product from tomato pomace	AE-AIT/ FPT, FPT&BE/2015/01	Professor & Head, FPT, FPT & BE, Anand
11.5.2.21	Development of juice extraction process of wood apple fruit	AE-AIT/ FPT, FPT&BE/2015/02	Professor & Head, FPT, FPT & BE, Anand

11.5.2.22	Process development of micronutrient rich powder for women	AE·AIT/ FPT, FPT&BE/2015/03	Professor & Head, FPT, FPT & BE, Anand
11.5.2.23	Supercritical fluid extraction of carotenoid from vacuum dried pumpkin powder	AE·AIT/ FPT, FPT&BE/2015/04	Professor & Head, FPT, FPT & BE, Anand
11.5.2.24	Canning of mango slices	AE·AIT/ FPT, FPT&BE/2015/05	Professor & Head, FPT, FPT & BE, Anand
11.5.2.25	Study on <i>in vitro</i> antioxidant and anti diabetic activity of garden cress seed ( <i>Lepidium sativum</i> )	AE·AIT/ PFEHE, FPT&BE /2015/01	Professor & Head, PFEHE FPT & BE, Anand
11.5.2.26	Production technology for preparation of banana powder	AE·AIT/ APE/2015/01	Professor & Head, APE, CAET, Godhra
11.5.2.27	Integrated land and water resources management in the Panam canal command for maximization of net annual return	AE·AIT/ SWE/2015/01	Professor & Head, SWE, CAET, Godhra
11.5.2.28	To modify three point linkage system of sowing machines drawn by medium tractors to facilitate their operation by using mini tractor	AE·AIT/ FMPET/2015/01	Professor & Head, FMP, CAET, Godhra
11.5.2.29	Modification and field evaluation of mini tractor drawn semiautomatic potato planter	AE·AIT/ FMPET /2015/02	Professor & Head, FMP, CAET, Godhra
11.5.2.30	Development and evaluation of electric motor operated vertical feed maize sheller	AE·AIT/ FMPET /2015/03	Professor & Head, FMP, CAET, Godhra
11.5.2.31	Web based application for analysis of Randomized Block Design and Split-Plot design	AE·AIT/ AIT /2015/01	Dean, AIT, Anand
11.5.2.32	Development of web based Procurement Management System	AE·AIT/ DIT /2015/01	Director, IT, Anand
11.5.2.33	Development of web based Online Tour Program	AE·AIT/ DIT /2015/02	Director, IT, Anand
11.5.2.34	Development of mobile based application for farmers	AE·AIT/ DIT /2015/03	Director, IT, Anand
11.5.2.35	Development of web based Online Billing System	AE·AIT/ DIT /2015/04	Director, IT, Anand
11.5.2.36	Development of Web Based PG Module of Student Corner for Anand Agricultural University	AE·AIT/ DIT /2015/05	Director, IT, Anand
11.5 Basic Science			
11.6.2.1	Effect of different packaging materials and plant growth regulators on germinability and vigour of cotton ( <i>Gossypium hirsutum</i> L)	CI/RRS/2015/01	Research Scientist, RRS, AAU, Anand
11.6.2. 2	Effect of different packaging materials and plant growth regulators on germination and vigour of Green gram ( <i>Vigna radiata</i> L. Wilczek.) Var. Meha.	CI/RRS/2015/02	Research Scientist, RRS, AAU, Anand
11.6.2. 3	Development of Single Nucleotide Polymorphisms in diploid Cotton ( <i>Gossypium herbaceum</i> ) through Genotyping-by-Sequencing (GBS) technique	CI/Ag.Biotech/2015/01	Research Scientist, Agril. Biotechnology, AAU, Anand

11.6.2.4	Development and validation of highly sensitive LC-MS/MS method for plant metabolite quantification and confirmation.	CI/Ag.Biotech/2015/02	Research Scientist, Agril. Biotechnology, AAU, Anand
11.6.2.5	Isolation and validation of root knot nematode disease resistance <i>Mi</i> gene from tomato cultivar SL-120	CI/Ag.Biotech/2015/03	Research Scientist, Agril. Biotechnology, AAU, Anand
11.6.2.6	Identification of QTL conferring nematode resistance in tomato	CI/Ag.Biotech/2015/04	Research Scientist, Agril. Biotechnology, AAU, Anand
11.6.2.7	Development of molecular markers for clonal fidelity testing of tissue culture raised plants of date palm ( <i>Phoenix dactylifera</i> L.) Variety Barhee.	CI/Tissue Culture/2015/01	Research Scientist, Plant Tissue Culture, AAU, Anand
11.6.2.8	Assessment of different Soybean genotypes for biochemical and metabolite variability	CI/Ag.Biotech/2015/05	Research Scientist, Agril. Biotechnology, AAU, Anand
11.7 Social Science			
11.7.2.1	Socio-Economic Analysis of Agricultural Labourers in Anand and Dahod District of Central Gujarat	SC/Ag. Econ/2015/01	Professor and Head, Department of Agricultural Economics, BACA, Anand
11.7.2.2	A Study of Minimum Support Price (MSP), Farm Harvest Price (FHP) and their Effect on Area of Major Oilseeds and Commercial Crops of Gujarat	SC/Ag. Econ/2015/02	Professor and Head, Department of Agricultural Economics, BACA, Anand
11.7.2.3	A Study on Prospects and Problems of Fruit and/or Vegetables Exporters from Gujarat	SC/ IABM/2015/01	Principal, International Agri-Business Management Institute, Anand
11.7.2.4	Export Potential and Trade Competitiveness of Cotton with Focus in Gujarat	SC/ IABM/2015/02	Principal, International Agri-Business Management Institute, Anand
11.7.2.5	Marketing of Inland Fish in Anand District of Gujarat	SC/ IABM/2015/03	Principal, International Agri-Business Management Institute, Anand
11.7.2.6	AICT Awareness among the Students of AAU coming from the Farming Community	SC/DBM/2015/01	Prof., Dept. of DBM, DSC, AAU, Anand
11.7.2.7	A study on the scale of finance of major crops of middle Gujarat	SC/Horti wing/2015/01	Dr. B. L. Dudhat, Asstt. Prof., Hort. Wing, BACA, AAU, Anand
11.7.2.8	Evaluation of consumer perception towards ready-to-serve fruit-nut-milk based smoothie using concept testing technique	SC/FPT/2015/01	Dr. Samit Dutta, Asso. Prof., and Deval Patel, Asstt. Prof., FPT & BE, AAU, Anand
11.7.2.9	Consumer response towards ready-to-eat food products in selected cities of Gujarat	SC/FPT/2015/02	Deval Patel, Asstt. Prof., FPT & BE, AAU, Anand

11.7.2.10	Optimization of daily nutritional balanced diet chart for adults (men and women) in selected villages of Anand District	SC/FPT/2015/03	Dr. S. K. Meher, Asstt. Prof., FPT & BE, AAU, Anand
11.7.2.11	Study of supply chain of selected vegetables in domestic market	SC/FPT/2015/04	Er. K. V. Vala, Asstt. Prof., FPT & BE, AAU, Anand
11.7.2.12	An Economic Analysis of Watermelon in Orsang River Bed area of Chhotaudepur District of Middle Gujarat	SC/ ARS, Jabugam /2015/01	Mr. H. C. Parmar, Asstt. Prof., ARS, AAU, Jabugam
11.7.2.13	Study on variability in field experiments of Bhal and Coastal Zone crops (Arnej and Dhandhuka)	SC/ Ag. Stat/2015/01	Prof. & Head, Dept. of Ag. Stat., BACA, AAU, Anand
11.7.2.14	Comparison of selection indices using different weights for biometrical characters in forage crops	SC/ Ag. Stat/2015/02	Prof. & Head, Dept. of Ag. Stat., BACA, AAU, Anand
11.7.2.15	Development of forewarning model for pests of cotton using different statistical methods	SC/ Ag. Stat/2015/03	Prof. & Head, Dept. of Ag. Stat., BACA, AAU, Anand
11.7.2.16	Modernization of In-House Statistical Programs for Contemporary Computing Environment	SC/ Ag. Stat/2015/04	Prof. & Head, Dept. of Ag. Stat., BACA, AAU, Anand
11.7.2.17	Prediction of Monthly Rainfall of Anand by Double Fourier series (DFS)	SC/ Ag. Met. /2015/01	Dr. Manjusha Kulshrestha, Dept. of Ag. Met., BACA, AAU, Anand
11.7.2.18	Application of AMMI model in rice	SC/ MRRS, Nawagam 2015/01	Dr. A. N. Khokhar, Assoc. Res. Sci., MRRS, AAU, Nawagam
11.7.2.19	Development and standardization of scale to measure the attitude of farmers towards Farmers Interest Group (FIG)	SC/ Ext. Edu/2015/01	Prof. & Head, Dept. of Ext. Edu., BACA, AAU, Anand
11.7.2.20	Study on adoption of package of practices for dairy animals in Ahmedabad district	SC/ Ext. Edu /2015/02	Dr. A. C.Vaidya, Assoc. Prof. & Head, Dept. of Ext. Edu., CVS & AH, AAU, Anand
11.7.2.21	Attitude of rural youths towards application of distance education in vocational agricultural education	SC/ IDEA/2015/01	The Director, IDE, AAU, Anand
11.7.2.22	Assessment of Nutritional status of ICDS (Integrated Child Development Services) beneficiary children less than 6 years of age	SC/ PFS & HE/2015/01	Smt. H. H. Chawda, Assoc. Prof. PFS & HE, AAU, Anand
11.7.2.23	Information needs of Potato growers of Kheda and Anand Districts of Gujarat state	SC/ Polytechnic, Agri, Vaso/2015/01	Dr. A. R. Makwan and Dr. B. M. Christian, Asstt. Educationists, Poli. Agri., AAU, Vaso
11.7.2.24	Development and Standardization of Scale to Measure Attitude of Extension Personnel towards Training Programmes Organized by EEI, Anand	SC/ EEI /2015/01	Dr. A. C. Patel, Assoc. Ext. Educationist, EEI, AAU, Anand
11.7.2.25	Evaluation of training programmes conducted by EEI,	SC/ EEI /2015/02	Dr. M. R. Patel, Assoc. Prof.,

	Anand		and Dr. A. A. Patel, EEI, AAU, Anand
11.7.2.26	Skill acquired by the participants regarding use of PRA tools during the training programme conducted by EEI Anand	SC/ EEI /2015/03	Dr. A. A. Patel, Director, EEI, AAU, Anand
11.7.2.27	Attitude of Extension Functionary towards Agricultural FM radio	SC/ EEI /2015/04	Prof. B. D. Patel, Asstt. Ext. Educationist, EEI, AAU, Anand
11.7.2.28	Content analysis of Anand Agricultural University Research Recommendations for farmers (Year 2004-2014)	SC/ DoEE /2015/01	Dr. B. S. Patel, Training Asso. (Agro.) & Dr. H. B. Patel, Asso. Ext. Educationist, DoEE, AAU, Anand
11.7.2.29	Study on assessment of skill of the farmers on important aspects related to tissue cultured raised banana	SC/ DoEE /2015/02	Dr. M. R. Patel, Asstt. Ext. Educationist (Info.), SSK, DoEE, AAU, Anand
11.7.2.30	Conservation of Surti Buffalo population by creating awareness in breeders	SC/ R.B.R.Unit /2015/01	Dr. Ankita Killedar, Res. Sci. & Head, R.B.R.Unit, College of Vet. Sci. & AH, AAU, Anand
11.7.2.31	Perception of UG students of agricultural faculty about educational environment of AAU	SC/ Agri. Wing, Jabugam /2015/01	Dr. S. R. Patel, Assoc. Prof., Training centre, College of Agri., AAU, Jabugam
11.7.2.32	Health Awareness of Rural Adolescent Girls of Adopted Villages of KVK Arnej: An Intervention Study	SC/KVK, Arnej /2015/01	Dr. Gayatree R. Jadeja, SMS (HS), KVK, AAU, Arnej
11.7.2.33	Knowledge and adoption of Banana Production Technology by Banana growers in Anand district	SC/KVK, Devataj /2015/01	Dr. G. G. Patel, Prog. Co-ordinator, KVK, AAU, Devataj
11.7.2.34	Knowledge and adoption regarding use of bypass fat in livestock feeding	SC/KVK, Devataj /2015/02	Dr. S. B. Katole, SMS, KVK, AAU, Devataj
11.7.2.35	Knowledge and adoption of improved animal husbandry practices by milk producers in Chhotaudepur District of Gujarat	SC/ KVK, Mangal Bharati /2015/01	Dr. B. L. Dhayal (SMS-Ext.), Dr. B. M. Maheta, Prog. Co-ordinator, KVK, Mangal Bharati, Golagamdi, Dist-Vadodara
11.7.2.36	A study on impact of FLDs on Brinjal (GJB-3) growers in Kheda and Mahemdavad talukas of Kheda district	SC/ KVK, Dethali/2015/01	Mr. Mukesh Chaudhary, SMS, KVK, Gujarat Vidyapeeth, Dethali, Dist-Kheda
11.7.2.37	A study on mineral mixture feeding to cattle of Panchamahar district	SC/ KVK, Vejalpur /2015/01	Dr. Kanak Lata, Prog. Co-ordinator, KVK (ICAR), Vejalpur, Dist-Panchamahar
11.7.2.38	Technological gaps in adoption of improved Pigeon pea production technology by Pigeon pea growers in Dahod district	SC/ KVK, Dahod /2015/01	Dr. Umesh Patel, Prog. Co-ordinator, KVK, AAU, Dahod
11.7.2.39	Participation of tribal women in Animal Husbandry	SC/ PVK, Limkheda	Dr. S. G. Vohra, Asso. Prof.,

	practices	/2015/01	Pashu Vigyan Kendra, AAU, Limkheda
11.7.2.40	Knowledge and adoption of recommended practices of castor crop in Kheda district	SC/ Sansoli /2015/01	Shri N. M. Vegad, Asstt. Ext. Edu., FTTC, AAU, Sansoli-Nenpur
11.7.2.41	Training need of tribal farm women in crop production technology of Soybean & Maize crops	SC/TRTC, Devgad Baria /2015/01	Shri D. B. Ramjiyani, Res. Asso. (Agri.Ext.), TRTC, AAU, Devgad-Baria)
11.7.2.42	A study on Knowledge of Nutritional Facts of Tribal Women	SC/TFWTC, Devgad Baria /2015/01	Miss Dipti P. Patel, Res. Assoc. (HS), TFWTC, AAU, Devgad-Baria
11.7.2.43	Participation of women in Animal Husbandry Activities	SC/ SMCCDS /2015/01	Dr. J. K. Patel, Asso. Prof., SMC College of Dairy Science, AAU, Anand
11.7.2.44	Demonstration of IPM Strategy for the Control of <i>Helicoverpa armigera</i> (Hubner) Hardwick in Chickpea	SC/ Ento, BACA/2015/01	Prof. & Head, Dept. of Ent., BACA, AAU, Anand
11.8 Animal Production and Fisheries			
11.8.2.1	Effect of climatic factors on daily milk production of dairy cows	AP/ LRS /2015/01	Research Scientist and Head, LRS, AAU, Anand
11.8.2.2	Causes of culling on an organized dairy farm	AP/ LRS /2015/02	Research Scientist and Head, LRS, AAU, Anand
11.8.2.3	Growth, optimal age and weight at puberty in Surti goats under farm feeding	AP/ PSK, Ramana Muvada /2015/01	Research Scientist and Head, PSK, Ramana Muvada; KGK, Minavada
11.8.2.4	Study on hormonal profile and follicular dynamics in pubertal buffalo heifers to hasten puberty after feeding sprouted moth beans ( <i>Phaseolus aconitifolius</i> ) and sprouted moong beans ( <i>Phaseolus moongo</i> )	AP/ RBRU /2015/01	Research Scientist and Head, RBRU, AAU, Anand
11.8.2.5	Studies on restricted mating in adult Surti goats in comparison to mating throughout the year	AP/ RBRU /2015/02	Research Scientist and Head, RBRU, AAU, Anand
11.8.2.6	Study of nutritional status of dairy animals of Botad district	AP/ANRS/2015/01	Research Scientist, ANRS, Veterinary College, Anand
11.8.2.7	Effect of supplementation of turmeric and ginger powders on growth performance and nutrient utilization in broilers	AP/ANRS/2015/02	Research Scientist, ANRS, Veterinary College, Anand
11.8.2.8	Methane mitigation in cattle using legume straw based Total Mixed Ration with SSF Biomass	AP/ANRS/2015/03	Research Scientist, ANRS, Veterinary College, Anand
11.8.2.9	<i>In vitro</i> evaluation of Fenugreek ( <i>Trigonella foenum graecum</i> ) for its influence on substrate degradation and methanogenesis	AP/ANRS/2015/04	Research Scientist, ANRS, Veterinary College, Anand

11.8.2.10	Effect of supplementing Jivanti ( <i>Leptadenia reticulata</i> ) and bypass fat in total mixed rations on nutrient utilization and milk production of Surti goats	AP/ANRS/2015/05	Research Scientist, ANRS, Veterinary College, Anand
11.8.2.11	To evolve area specific mineral mixture for dairy animals in Anand district	AP/ANRS/2015/06	Research Scientist, ANRS, Veterinary College, Anand
11.8.2.12	Effect of incorporation of dried and green date palm ( <i>Phoenix dactylifera</i> L. [Arecaceae]) leaves in total mixed ration for adult goats	AP/ANRS/2015/07	Research Scientist, ANRS, Veterinary College, Anand
11.8.2.13	Effect of incorporation of dried and green date palm ( <i>Phoenix dactylifera</i> L. [Arecaceae]) leaves in total mixed ration for adult sheep	AP/ANRS/2015/08	Research Scientist, ANRS, Veterinary College, Anand
11.8.2.14	Studies on the effect of feeding bypass fat and yeast ( <i>Saccharomyces cerevisiae</i> ) supplemented total mixed ration to adult sheep during hot summer	AP/ANRS/2015/09	Research Scientist, ANRS, Veterinary College, Anand
11.8.2.15	Determination of optimum level of incorporation of recombinant cellulase of bacterial origin in total mixed ration for small ruminants	AP/ANRS/2015/10	Research Scientist, ANRS, Veterinary College, Anand
11.8.2.16	To study the effects of feeding different quality maize on production performance and egg quality parameters of White Leghorn birds	AP/ CPRS /2015/01	Research Scientist and Head, CPRS, AAU, Anand
11.8.2.17	Mining lignocellulolytic enzymes from rumen metagenome	AP/ Animal Biotechnology/2015/01	Professor, Animal Biotech. Veterinary College, Anand
11.8.2.18	Individual genome reconstruction of Ruminant Anaerobic Microbes from Metagenomic Studies	AP/ Animal Biotechnology/2015/02	Professor, Animal Biotech. Veterinary College, Anand
11.8.2.19	Detection of somatic mutations in Squamous Cell Carcinoma of Horn in Kankrej Cattle ( <i>Bos indicus</i> ) using Next Generation Sequencing	AP/ Animal Biotechnology/2015/03	Professor, Animal Biotech. Veterinary College, Anand
11.8.2.20	Screening of Dumba sheep breed for presence of fecundity gene polymorphism by PCR-RFLP	AP/ AGB /2015/01	Prof. and Head, Dept. of AGB, Veterinary College, AAU, Anand
11.8.2.21	Physiological, Biochemical and Hormonal Profiles of Surti Goats during summer and winter seasons under Intensive Production System	AP/ Physiology & Biochemistry / 2015 / 01	Prof. and Head, Dept. of Physiology & Biochemistry, Veterinary College, AAU, Anand
11.8.2.22	Physiological, Biochemical and Hormonal Profiles of Indigenous sheep during summer and winter seasons under Intensive Production System	AP/ Physiology & Biochemistry / 2015 / 02	Prof. and Head, Dept. of Physiology & Biochemistry, Veterinary College, AAU, Anand
11.8.2.23	To evaluate optimum stocking density for nursery raising of <i>Labeorohita</i> Spawn under hapa culture	AP/ KVK, Devataj /2015/01	Programme Coordinator, KVK, Devataj, AAU, Anand

	system (Multi-location trial) in village ponds of middle Gujarat		
Animal Health			
11.8.2.24	To study the effects of aqueous extract of <i>Phyllanthus emblica</i> (Amla) @ 200 and 400 mg/kg body weight orally for 28 days on 16aematological and serum biochemical parameters in potassium oxonate induced gout rat model.	AH/ Pharmacology & Toxicology /2015/01	Prof. and Head, Dept. of Vet. Pharmacology & Toxicology, Veterinary College, AAU, Anand
11.8.2.25	Studies on Clinico-biochemical aspects of Ancylostomosis in dogs	AH/ Parasitology /2015/01	Prof. and Head, Dept. of Vet. Parasitology, Veterinary College, AAU, Anand
11.8.2.26	Toxico-pathological studies of meloxicam, ibuprofen and diclofenac sodium in broiler chicks	AH/ Vet. Pathology /2015/01	Prof. and Head, Dept. of Vet. Pathology, Veterinary College, AAU, Anand
11.8.2.27	Toxicopathological studies of acetyl salicylic acid, nimesulide and diclofenac sodium in broiler chicks	AH/ Vet. Pathology /2015/01	Prof. and Head, Dept. of Vet. Pathology, Veterinary College, AAU, Anand
11.8.2.28	Status of anti-rabies antibodies in dogs	AH/Vet. Microbiology /2015/01	Prof. and Head, Dept. of Vet. Microbiology, Veterinary College, AAU, Anand
11.8.2.29	Multi-locus sequence typing of <i>Pasteurella multocida</i> isolates of buffalo origin from Gujarat state	AH/Vet. Microbiology /2015/02	Prof. and Head, Dept. of Vet. Microbiology, Veterinary College, AAU, Anand
11.8.2.30	Outer membrane protein profile of <i>Pasteurella multocida</i> isolates of buffalo origin from Gujarat state	AH/Vet. Microbiology /2015/03	Prof. and Head, Dept. of Vet. Microbiology, Veterinary College, AAU, Anand
11.8.2.31	Effect of inclusion of antioxidants – cysteine and taurine – in semen extenders on refrigeration (5°C) and cryopreservation (-196°C) of buffalo semen	AH/ Gynaecology and Obstetrics /2015/01	Prof. and Head, Dept. of Gynaecology and Obstetrics, Veterinary College, AAU, Anand
11.8.2.32	Validation of different estrus induction and synchronization protocols in anoestrus cows and buffaloes	AH/ Gynaecology and Obstetrics /2015/02	Prof. and Head, Dept. of Gynaecology and Obstetrics, Veterinary College, AAU, Anand
11.8.2.33	Effect of peripartum nutritional (multi-minerals and bypass fat) supplementation on uterine involution and postpartum fertility in crossbred cows	AH/ Gynaecology and Obstetrics /2015/03	Prof. and Head, Dept. of Gynaecology and Obstetrics, Veterinary College, AAU, Anand
11.8.2.34	Clinical efficacies of different hormonal approaches in	AH/ Gynaecology and	Prof. and Head, Dept. of



	repeat breeding dairy animals	Obstetrics /2015/04	Gynaecology and Obstetrics, Veterinary College, AAU, Anand
11.8.2.35	Molecular approaches to identify specific gene markers for infertility/ reproductive disorders in dairy animals	AH/ Gynaecology and Obstetrics /2015/05	Prof. and Head, Dept. of Gynaecology and Obstetrics, Veterinary College, AAU, Anand
11.8.2.36	Evaluation of role of hypothalamo-hypophyseal-ovarian axis in the onset of puberty in Surti/Banni buffalo and crossbred cattle	AH/ Gynaecology and Obstetrics /2015/06	Prof. and Head, Dept. of Gynaecology and Obstetrics, Veterinary College, AAU, Anand
11.8.2.37	Seasonal influence on efficacy of estrus induction & synchronization protocols in anoestrus cows and buffaloes	AH/ Gynaecology and Obstetrics /2015/07	Prof. and Head, Dept. of Gynaecology and Obstetrics, Veterinary College, AAU, Anand
11.8.2.38	Isolation and characterization of Campylobacter spp. From buffalo meat	AH/ VPH /2015/01	Prof. and Head, Dept. of VPH, Veterinary College, AAU, Anand
11.8.2.39	Isolation and characterization of Campylobacter spp. from pork and slaughter house environment	AH/ VPH /2015/02	Prof. and Head, Dept. of VPH, Veterinary College, AAU, Anand
11.8.2.40	Isolation and characterization of Campylobacter spp. from faecal samples of cattle	AH/ VPH /2015/03	Prof. and Head, Dept. of VPH, Veterinary College, AAU, Anand
11.8.2.41	Detection and characterization of methicillin resistance <i>Staphylococcus aureus</i> from animal, man and environment	AH/ VPH /2015/04	Prof. and Head, Dept. of VPH, Veterinary College, AAU, Anand