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No.BACA/Ag. Chem./10<sup>th</sup> AGRESO/ 838/2014

Date: 20-2-14

To,  
All the members of CPSC

Sub: Regarding code number of experiments.....

Ref : The Director of Research, AAU, Anand letter No. AAU/ DR/RES/T-3/ 6964 /2013  
dt. 17/10/2013

Sir,

With subject to above referred letter, The Director of Research, AAU, Anand have allotted the code number to each technical programme approved in 9<sup>th</sup> combined AGRESO of SAUs. So, all scientists whose technical programme approved in 9<sup>th</sup> combined AGRESO of CPSC are requested to mention code number in report as well as in presentation every year till recommendation. The code number of experiments is attached herewith for your reference.

Thanking you,

.....Sd.....  
**CONVENER**

**Copy FWRs to :**

The Director of Research, AAU, Anand for information

**DIRECTORATE OF RESEARCH  
ANAND AGRICULTURAL UNIVERSITY  
UNIVERSITY BHAVAN, ANAND-388 110(Gujarat)**



**Dr. K. B. Kathiria**  
Director of Research & Dean PG Studies

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No. AAU/DR/RES/T-3/ 6964 /2013 Date : 17-10-2013

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To,

All University Officers, AAU, Anand


All Conveners AGRESCO Sub Committee, AAU, Anand

All Unit / Sub-Unit Officers, AAU, Anand

**Sub:** Experiment code Number .....9<sup>th</sup> Combined AGRESCO

Please find enclosed herewith the code Number assigned to the new technical programme which is / are approved in Ninth Combined AGRESCO of SAUs held during 6-8 May, 2013 at SDAU, Sardarkrushinagar. Now you are requested to use this code number in AGRESCO report in future.

Enclosed : As above

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

## NEW TECHNICAL PROGRAMMES APPROVED IN 9<sup>TH</sup> COMBINED AGRESCO (2013)

### Abbreviations:

**CI** : Crop Improvement, **CP** : Crop Production, **PP** : Plant Protection, **SC** : Social Science, **AP** : Animal Production  
**AH** : Animal Health, **AE-FPT-DS-AIT** : Agricultural Engineering, Food Processing Technology, Dairy Science and  
 Agricultural Information Technology

Sr. No.	Title	Code Number	Implementing Department
<b>9.1</b>	<b>CROP IMPROVEMENT</b>		
9.1.1.1	Effect of seed priming treatment in chickpea ( <i>Cicer arietinum</i> L.)	CI/Botany/2013/01	Professor & Head, Dept. of Botany, BACA
9.1.1.2	Identification of genes related to germination in artificial aged maize seeds	CI/Botany/2013/02	Professor & Head, Dept. of Botany, BACA
9.1.1.3	Screening sesame genotypes for biotic stress resistance	Dropped	Professor & Head, Dept. of Botany, BACA
9.1.1.4	Induced variability in Vinca by mutation techniques (EMS mutagen)	CI/Botany/2013/03	Professor & Head, Dept. of Botany, BACA
9.1.1.5	Study of host pathogen interaction in cumin during Alternaria Blight infection	CI/Agri. biotech/2013/01	Professor & Head, Dept. of Agril.Biotech,
9.1.1.6	Population structuring in okra and its wild relatives using SSR markers.	CI/Agri. biotech/2013/02	Professor & Head, Dept. of Agril.Biotech,
9.1.1.7	DNA fingerprinting of crop varieties and other Bio-inputs developed by AAU, Anand using SSR and ISSR markers	CI/Agri. biotech/2013/03	Professor & Head, Dept. of Agril.Biotech,
9.1.1.8	Isolation and validation of CCD2 and LcyB1 genes of saffron	CI/Agri. biotech/2013/04	Professor & Head, Dept. of Agril.Biotech,
9.1.1.9	Development of EST-SSR markers for fiber quality in diploid cotton	CI/Agri. biotech/2013/05	Professor & Head, Dept. of Agril.Biotech,
9.1.1.10	Validation of newly developed SSR marker of <i>Plantago ovato</i>	CI/Agri. biotech/2013/06	Professor & Head, Dept. of Agril.Biotech
9.1.1.11	Screening of wild germplasm of Okra for YVMV resistance	CI/Agri. biotech/2013/07	Professor & Head, Dept. of Agril.Biotech,
9.1.1.12	Interspecific hybridization in okra	CI/Agri. biotech/2013/08	Professor & Head, Dept. of Agril.Biotech,

9.1.1.13	Interspecific hybridization in tomato	CI/Agri. biotech/2013/09	Professor & Head, Dept. of Agril.Biotech,
9.1.1.14	Interspecific hybridization in cotton (G. <i>herbaceum</i> and G. <i>arboretum</i> )	CI/Agri. biotech/2013/10	Professor & Head, Dept. of Agril.Biotech
9.1.1.15	Development of colchiploid in desi cotton	CI/Agri. biotech/2013/11	Professor & Head, Dept. of Agril.Biotech,
9.1.1.16	Refinement of date palm micro-propagation protocol for early callus induction and for other stages	CI/Tissue culture/2013/01	Professor & Head, Plant Tissue Culture Dept. of Agril.Biotech
9.1.1.17	Effect of nano-zinc application on morphological parameters of Rice Variety GR-11	CI/Nanotechnology/2013/01	Professor & Head, Dept. of Nanotechnology
<b>9.2 CROP PRODUCTION</b>			
9.2.1.1	Effect of topping and nitrogen levels on growth, yield attributes and yield of Bt cotton under drip irrigation.	CP/NIRP, Khandha/2013/01	Res. Sci. NARP, AAU, Khandha
9.2.1.2	Effect of Nitrogen and phosphorus on the grain yield of maize variety GM-6 under rainfed condition.	CP/MMRS, Godhra/2013/01	Research Sci. MMRS, AAU, Godhra
9.2.1.3	Response of different levels of Nitrogen (N), Phosphorus (P) and Biofertilizers on Rice ( <i>Oryza sativa</i> L.) under middle Gujarat conditions.	CP/MRRS, Nawagam/2013/01	Res. Sci. MRRS, AAU, Navagam
9.2.1.4	Seed priming and foliar spray of stress mitigating chemicals for ameliorating moisture stress in conserved moisture condition in Chickpea	CP/ARS, Dhandhuka/2013/01	Assit. Res. Sci., ARS, AAU, Dhandhuka
9.2.1.5	Nitrogen management through inorganic and organic fertilizer in hybrid chilli cv. GAVCH-1	CP/MVRS/2013/01	Res. Sci., Main Vegetable Research Station, AAU, Anand
9.2.1.6	Nitrogen management through organic and inorganic fertilizer in tomato cv. AT-3	CP/MVRS/2013/02	Res. Sci., Main Vegetable Research Station, AAU, Anand
9.2.1.7	Effect of irrigation schedule (IW/CPE ratio) on dry biomass yield of dodi ( <i>Leptadenia reticulata</i> ).	CP/M & AP /2013/01	Res. Sci., M & AP, AAU, Anand
9.2.1.8	Effect of different spacing and date of planting on dry biomass yield and quality of Artemisia.	CP/M & AP /2013/02	Res. Sci., M & AP, AAU, Anand
9.2.1.9	Assessment of cropping sequences for bidi tobacco	CP/BTRS /2013/01	Res. Sci. BTRS, AAU,

	growing area of Middle Gujarat Agro-Climatic Zone		Anand
9.2.1.10	To revalidate the fertilizer recommendation of widely cultivated bidi tobacco varieties. (Joint Study By Agronomy, Chemistry and plant physiology sections)	CP/BTRS/2013/02	Res. Sci., BTRS, AAU, Anand
9.2.1.11	Relay cropping of castor in legume crops	CP/RRS/2013/01	Res. Sci. RRS, AAU, Anand)
9.2.1.12	Influence of weed management practices on growth and seed yield of oat ( <i>Avena sativa</i> L.)	CP/MFRS/2013/01	Res. Sci., MFRS, AAU, Anand
9.2.1.13	Performance of dual purpose forage crops under different cutting management system	CP/MFRS/2013/02	Res. Sci., MFRS, AAU, Anand
9.2.1.14	Mapping and atlas preparation of agriculturally beneficial bacteria in Gujarat state	CP/Microbiology/2013/01	Prof & Head, Dept. of Micro, Anand
9.2.1.15	Effect of pearl millet-soybean row ratios on their productivity	CP/Agronomy/2013/01	Prof & Head, Dept. of Agronomy, BACA, AAU, Anand
9.2.1.16	Effect of nitrogen and phosphorous on castor ( <i>Ricinus communis</i> L.) under middle Gujarat conditions.	CP/Agronomy/2013/02	Prof & Head, Dept. of Agronomy, BACA, AAU, Anand
9.2.1.17	Effect of nitrogen, phosphorus and potash on wheat ( <i>Triticum aestivum</i> L.) under middle Gujarat conditions.	CP/Agronomy/2013/03	Prof & Head, Dept. of Agronomy, BACA, AAU, Anand
9.2.1.18	Response of N, P and bio-fertilizers on summer pearl millet ( <i>Pennisetum glaucum</i> L under middle Gujarat conditions.	CP/Agronomy/2013/04	Prof & Head, Dept. of Agronomy, BACA, AAU, Anand
9.2.1.19	Response of Bt cotton to sulphur and water soluble fertilizer	CP/IFFCO Chair/2013/01	Professor, IFFCO Chair, BACA, AAU, Anand
9.2.1.20	Development of Rainfall Prediction models for different regions of Gujarat State.	CP/Meteorology/2013/01	Prof & Head, Dept. of Meteorology, BACA, AAU, Anand
9.2.1.21	Nakshatrawise rainfall analysis of different stations of Gujarat.	CP/Meteorology/2013/02	Prof & Head, Dept. of Meteorology, BACA, AAU, Anand

### 9.3 PLANT PROTECTION

#### I. AGRIL ENTOMOLOGY

9.3.1.1	Study On foraging activities of honey bees in middle Gujarat on various crops.	PP/Entomology/2013/01	Prof. & Head, Dept. of Entomology, BACA, AAU, Anand
9.3.1.2	Bio-efficacy of different insecticides against Anar butterfly, <i>Virachola isocrates</i> (Fabricius) infesting pomegranate.	PP/Entomology/2013/02	Prof. & Head, Dept. of Entomology, BACA, AAU, Anand
9.3.1.3	Bio-efficacy of some insecticides against red hairy caterpillar, <i>Amsacta albistriga</i> Walker on cowpea, <i>Vigna unguiculata</i> (Linnaeus) Walpers.	PP/Entomology/2013/03	Prof. & Head, Dept. of Entomology, BACA, AAU, Anand
9.3.1.4	Evaluation of root dip and foliar spray of insecticides against aphid infesting gaillardia (var. lorenziana).	PP/Entomology/2013/04	Prof. & Head, Dept. of Entomology, BACA, AAU, Anand
9.3.1.5	Evaluation of effectiveness of auditory bird repeller (Gas Cannon: Zon® Mark 4) to scare birds.	PP/Ornithology/2013/01	Res. Sci., AINP on Ornithology, AAU, Anand
9.3.1.6	Evaluation of effectiveness of acoustic device (BirdXPeller® PRO) (acousting device) as bird repeller from feeding site.	PP/Ornithology/2013/02	Res. Sci., AINP on Ornithology, AAU, Anand
9.3.1.7	Assessment of bird damage in mango orchard	PP/Ornithology/2013/03	Res. Sci., AINP on Ornithology, AAU, Anand
9.3.1.8	Monitoring of wild boar population in agricultural landscape.	PP/Ornithology/2013/04	Res. Sci., AINP on Ornithology, AAU, Anand
9.3.1.9	Residue/persistence of triazophos/ profenophos / acephate in okra.	PP/Pesticide Residues/2013/01	Residue analyst, AINP on Pesticide residues, AAU, Anand
9.3.1.10	Pesticide residues from surface and groundwater under SSP phase-II area.	PP/Pesticide Residues/2013/02	Residue analyst, AINP on Pesticide residues AAU, Anand
9.3.1.11	Bio-efficacy of newer insecticides against brinjal shoot and fruit borer, <i>Leucinodes orbonalis</i> (Guenee).	PP/MVRS(Ento)/2013/01	Res. Sci., Main Vegetable Research Station, AAU, Anand
9.3.1.12	Bioefficacy of newer insecticides against tomato leaf miner, <i>Liriomyza trifolii</i> (Burgess)	PP/MVRS(Ento)/2013/02	Res. Sci., Main Vegetable Research Station, AAU, Anand

9.3.1.13	Bioefficacy of different insecticides against sucking pests of capsicum in open field condition.	PP/MVRS(Ento)/2013/03	Res. Sci., Main Vegetable Research Station, AAU, Anand
9.3.1.14	Evaluation of different acaricides against paddy mites.	PP/MRRS(Ento),Nawagam/2013/01	Asso. Res. Sci.(Ento.), Main Rice Research Station, AAU, Nawagam
9.3.1.15	Evaluation of new molecules of insecticides against insect pests of paddy.	PP/MRRS(Ento),Nawagam /2013/02	Asso. Res. Sci.(Ento.), Main Rice Research Station, AAU, Nawagam
9.3.1.16	Bio-efficacy of newer insecticides against stem borer ( <i>Chilo partellus</i> ) infesting maize.	PP/MMRS(Ento), Godhra/2013/01	Asstt. Res. Sci. (Pl. Path.),Main Maize Research Station, AAU, Godhra
9.3.1.17	Effectiveness of biocides against stem borer ( <i>Chilo partellus</i> ) and aphid ( <i>Rhopalosiphum maidis</i> ) infesting maize.	PP/MMRS(Ento), Godhra/2013/02	Asstt. Res. Sci. (Pl. Path.),Main Maize Research Station, AAU, Godhra
9.3.1.18	Bio-efficacy of different insecticides against mealy bug infesting custard apple.	PP/Hort. Wing (Ento), Anand/2013/01	Assoc. Prof. (Ento.),Horticulture Wing, AAU, Anand
9.3.1.19	Study on biodiversity of insect fauna through light traps.	PP/Agri. Wing (Ento), Vaso/2013/01	Assoc. Prof. (Ento.),Agriculture Wing, AAU, Vaso
9.3.1.20	Population dynamics of major lepidopterous insect pests through sex pheromone traps.	PP/Agri. Wing (Ento), Vaso/2013/02	Assoc. Prof. (Ento.), Agriculture Wing, AAU, Vaso
<b>II. PLANT PATHOLOGY AND NEMATOTOLOGY</b>			
9.3.1.21	Management of wilt and collar rot of chickpea through seed bioprimering and soil application of bioagents.	PP/PI.Pathology/2013/01	Prof. & Head, Dept. of Pl.Pathology, BACA, AAU, Anand
9.3.1.22	Management of Yellow Mosaic Virus in mungbean vis-à-vis its vector (Whitefly) through insecticides during summer season.	PP/PI.Pathology/2013/02	Prof. & Head, Dept. of Pl.Pathology, BACA, AAU, Anand
9.3.1.23	Epidemiology of <i>Bean Common Mosaic Virus</i> disease in mungbean.	PP/PI.Pathology/2013/03	Prof. & Head, Dept. of Pl.Pathology, BACA, AAU, Anand

9.3.1.24	Integrated management of disease complex ( <i>Phytophthora citrophthora</i> ) and root-knot nematode ( <i>Meloidogyne indica</i> ) infecting citrus plants under pot trial conditions.	PP/Nematology/2013/01	Prof. & Head, Dept. of Nematology, BACA, AAU, Anand
9.3.1.25	Impact of agro-shade net on damping-off disease in bidi tobacco nursery.	PP/BTRS(Patho)/2013/01	Res. Sci. (Pl. Path), BTRS, AAU, Anand
9.3.1.26	Bio-efficacy of newer fungicides against <i>Maydis</i> leaf blight (MLB), <i>Curvularia</i> leaf spot (CLS) and <i>Turcicum</i> leaf blight (TLB) diseases in maize.	PP/MMRS(Patho), Godhra/2013/01	Asstt. Res. Sci (Pl. Path), Main Maize Res. Station, AAU, Godhra
9.3.1.27	Evaluation of bio-fungicides for integrated management of <i>Maydis</i> leaf blight (MLB), <i>Turcicum</i> leaf blight (TLB) and <i>Curvularia</i> leaf spot (CLS) diseases in maize.	PP/MMRS (Patho), Godhra/2013/02	Asstt. Res. Sci (Pl. Path), Main Maize Res. Station, AAU, Godhra
9.3.1.28	Bio-efficacy of newer fungicides against powdery mildew of clusterbean.	PP/ARS (Patho), Derol/2013/01	Asstt. Res. Sci (Pl. Path), Agri. Res. Station, AAU, Derol
9.3.1.29	Screening of blackgram genotypes against yellow mosaic virus (YMV).	PP/ARS (Patho), Derol/2013/02	Asstt. Res. Sci (Pl. Path), Agri. Res. Station, AAU, Derol
9.3.1.30	Screening of greengram genotypes against <i>Bean Common Mosaic Virus</i> (BCMV).	PP/ARS (Patho), Derol/2013/03	Asstt. Res. Sci (Pl. Path), Agri. Res. Station, AAU, Derol
9.3.1.31	Development of root rot sick plot at AAU, Sanand.	PP/Cotton (Patho), Viramgam/2013/01	Asstt. Res. Sci (Pl. Path), Regional Cotton Res. Station, AAU, Viramgam
<b>9.4 Horticulture and Agro Forestry</b>			
9.4.1.1	Evaluation of different varieties of banana in tribal area of Chhotaudaipur Region of Middle Gujarat.	CP/Horticulture/2013/01	Prof. & Head, Deptt. of Horti, BACA, AAU, Anand
9.4.1.2	To study the nitrogen management through fertigation at different sowing distance in off season cultivation of okra under natural ventilated green house condition.	CP/Horticulture/2013/02	Prof. & Head, Deptt. of Horti, BACA, AAU, Anand
9.4.1.3	Influence of different spacing and plant growth regulators on growth and flower yield of spider lily	CP/Horticulture/2013/03	Prof. & Head, Deptt. of Horti, BACA, AAU,



	under Middle Gujarat Agro climatic conditions.		Anand
<b>9.5 Agricultural Engineering, Food Processing Technology, Dairy Science and Agricultural Information Technology</b>			
9.5.1.1	Process standardization for manufacture of <i>Cham-cham</i>	AE·FPT·DS·AIT/Dairy Technology/2013/01	Prof. & HOD Dairy Technology
9.5.1.2	Standardization of technological parameters for paneer burfi	AE·FPT·DS·AIT/Dairy Technology/2013/02	Prof. & HOD Dairy Technology
9.5.1.3	Assessing the Suitability of Sweet Cream Buttermilk in preparation of <i>Burfi</i>	AE·FPT·DS·AIT/Dairy Technology/2013/03	Prof. & HOD Dairy Technology
9.5.1.4	Exploring finger millet as a valued ingredient in ice cream	AE·FPT·DS·AIT/Dairy Technology/2013/04	Prof. & HOD Dairy Technology
9.5.1.5	Standardization of method for preparation of reduced-fat paneer using whey protein concentrate and selected emulsifiers	AE·FPT·DS·AIT/Dairy Technology/2013/05	Prof. & HOD Dairy Technology
9.5.1.6	Evaluating the effect of partial homogenization on the quality of mozzarella cheese.	AE·FPT·DS·AIT/Dairy Technology/2013/06	Prof. & HOD Dairy Technology
9.5.1.7	Choco-cheese – a novel flavoring in ice cream	AE·FPT·DS·AIT/Dairy Technology/2013/07	Prof. & HOD Dairy Technology
9.5.1.8	Value addition to mozzarella cheese analogue through incorporation of whey protein and vitamin A	AE·FPT·DS·AIT/Dairy Technology/2013/08	Prof. & HOD Dairy Technology
9.5.1.9	Development of Ragi ( <i>Eleusine Coracana</i> ) fortified probiotic ice cream	AE·FPT·DS·AIT/Dairy Microbiology/2013/01	Prof. & HOD Dairy Microbiology
9.5.1.10	Eco-friendly mobile vending cum storage system for fruits and vegetables	AE·FPT·DS·AIT/PHE/2013/01	Prof. & HOD Department of PHE
9.5.1.11	Post-harvest handling of fresh selected vegetables in Central Gujarat	AE·FPT·DS·AIT/PHE/2013/02	Prof. & HOD Department of PHE
9.5.1.12	Modeling and simulation of Ohmic heating process and Development of Ohmic heating system for thermal processing of selected fruit pulps	AE·FPT·DS·AIT/FE/2013/01	Prof. & HOD Department of FE
9.5.1.13	Study on energy assessment in onion dehydration plant	AE·FPT·DS·AIT/FE/2013/02	Prof. & HOD Department of FE
9.5.1.14	Computer vision system for sorting & grading of fruits	AE·FPT·DS·AIT/FE/2013/03	Prof. & HOD Department of FE
9.5.1.15	Development of Ohmic heating system for thermal processing of selected fruit pulps	Clubbed with FE 01	Prof. & HOD Department of FE
9.5.1.16	Super critical fluid extraction of volatile oils / oleoresins from herbs & spices.	AE·FPT·DS·AIT/FQA/2013/01	Prof. & HOD Department of FQA

9.5.1.17	Screening of novel thermo-tolerant yeast with improved process economics for bioethanol production	AE·FPT·DS·AIT/FQA/2013/02	Prof. & HOD Department of FQA
9.5.1.18	Screening, identification and characterization of Lactic Acid Bacteria with probiotic potential and phytic activity	AE·FPT·DS·AIT/FQA/2013/03	Prof. & HOD Department of FQA
9.5.1.19	Kajukatli with artificial sweeteners	AE·FPT·DS·AIT/FQA/2013/04	Prof. & HOD Department of FQA
9.5.1.20	Formulation, nutritional evaluation and shelf life study of low cost supplementary food	AE·FPT·DS·AIT/PFSHE/2013/01	Prof. & HOD, Department of PFSHE
9.5.1.21	Impact Assessment of Future Climate Change on Water Availability in the Semi-arid Middle Region of Gujarat, India	AE·FPT·DS·AIT/SWE,Godhra/2013/01	Prof. & HOD Department of SWE, Godhra
9.5.1.22	Development and evaluation of mini tractor operated strip till multi crop planter cum fertilizer applicator	AE·FPT·DS·AIT/FMP,Godhra/2013/01	Prof. & HOD Department of FMP, Godhra
9.5.1.23	Feasibility assessment of mini tractor (15 hp) for various farm operations in Panchmahal region	<b>Not Approved</b>	Prof. & HOD Department of FMP, Godhra
9.5.1.24	Development and evaluation of a multipurpose tool bar for mini tractor suitable for maize and wheat crop in the middle Gujarat region	AE·FPT·DS·AIT/FMP,Godhra/2013/02	Prof. & HOD Department of FMP, Godhra
9.5.1.25	Process Development of juice preparation and byproduct utilization using underutilized vegetable: Ivy Gourd ( <i>Coccinia grandis</i> )	AE·FPT·DS·AIT/APE,Godhra/2013/01	Prof. & HOD Department of APE, Godhra
9.5.1.26	Production Technology for Preparation of Wood Apple ( <i>Limonia acidissima</i> ) Jam	AE·FPT·DS·AIT/APE,Godhra/2013/02	Prof. & HOD Department of APE, Godhra
9.5.1.27	A software implementation of effective Space Vector PWM scheme for a Multi-Level Inverter for Stand-alone/Off-Grid PV applications	AE·FPT·DS·AIT/RE, Godhra/2013/01	Prof. & HOD Department of RE, Godhra
9.5.1.28	Modifications in hand operated disc type Maize Sheller.	AE·FPT·DS·AIT/PAE, Dahod/2013/01	Principal, PAE, Dahod

9.5.1.29	Modifications in hand operated disc type Maize Sheller.	AE·FPT·DS·AIT/PAE, Dahod/2013/02	<i>Principal, PAE, Dahod</i>
9.5.1.30	Critical Evaluation of Gujarat State Agricultural Universities Web sites.	AE·FPT·DS·AIT/AIT/2013/01	<i>Principal, AIT, Anand</i>
9.5.1.31	Calculation of leaf area index through image processing (LAM Software).	AE·FPT·DS·AIT/AIT/2013/02	<i>Principal, AIT, Anand</i>
9.5.1.32	Web Based Experiment Data Management Tool for Plant Breeders.	AE·FPT·DS·AIT/AIT/2013/03	<i>Principal, AIT, Anand</i>
9.5.1.33	Electronic Plant Height Detector and Recorder.	AE·FPT·DS·AIT/AIT/2013/04	<i>Principal, AIT, Anand</i>
9.5.1.34	Continuous Online Proximal Sensing and Monitoring of Soil Moisture and Temperature in Precision Agriculture.	AE·FPT·DS·AIT/AIT/2013/05	<i>Principal, AIT, Anand</i>
9.5.1.35	A Web Based Soil Health Card Application: Decision Support System for Agriculture Development.	AE·FPT·DS·AIT/DIT/2013/01	<i>Director, DIT, Anand</i>
9.5.1.36	Web User Interface Assisted Live Stock Research Station Management Information System.	AE·FPT·DS·AIT/DIT/2013/02	<i>Director, DIT, Anand</i>
9.5.1.37	A Critical Analysis of Internet usage by the faculty members of Anand Agricultural University.	AE·FPT·DS·AIT/DIT/2013/03	<i>Director, DIT, Anand</i>
9.5.1.38	Web based inward out Management System.	AE·FPT·DS·AIT/DIT/2013/04	<i>Director, DIT, Anand</i>
<b>9.6 Social Science</b>			
9.6.1.1	Diversification of cropping pattern during last decade in Gujarat State	SC/Ag. Econ/2013/01	<i>Prof.&amp; Head, Dept. of Ag.Econ., BACA, Anand</i>
9.6.1.2	Comparative study on Behavior of Input Cost & Output Prices of Selected Crops of Gujarat” (Maize, Castor, Groundnut, Gram & Tobacco)	SC/Ag. Econ/2013/02	<i>Prof.&amp; Head, Dept. of Ag.Econ., BACA, Anand</i>
9.6.1.3	Manpower analysis in the Dairy sector	SC/DBM/2013/01	<i>Assoc. Prof., Dept. of DBM, DSC, Anand</i>
9.6.1.4	Financial Analysis of the Dairy Sector	SC/DBM/2013/02	<i>Assoc. Prof., Dept. of DBM, DSC, Anand</i>
9.6.1.5	A study on perception of Amul Preferred Outlets (APO) owners in Anand and Vidyanagar cities about the profitability of APOs	SC/DBM/2013/03	<i>Assoc. Prof., Dept. of DBM, DSC, Anand</i>

9.6.1.6	An enquiry into the problems and prospects of contract farming in Potato : A case study of two districts in Gujarat	SC/IABM/2013/01	<i>Principal, IABM, Anand</i>
9.6.1.7	Comparative study of perception on organisational climate for scientists of the state agricultural universities of Gujarat	SC/IABM/2013/02	<i>Principal, IABM, Anand</i>
9.6.1.8	A study on status of farm record keeping practices among the farmers in Anand taluk	SC/IABM/2013/03	<i>Principal, IABM, Anand</i>
9.6.1.9	A study on social and private costs of management education with respect to post-graduate agribusiness management faculty of the state agricultural universities of Gujarat	SC/IABM/2013/04	<i>Principal, IABM, Anand</i>
9.6.1.10	Export oriented food processing industries in Central Gujarat: current status of technology, constraints and opportunities	SC/FBM/2013/01	<i>Prof. &amp; Head, Dept. of FBM, College of FPT &amp; BE</i>
9.6.1.11	Consumer awareness about health foods and impact of promotional activities on creating awareness	SC/FBM/2013/02	<i>Prof. &amp; Head, Dept. of FBM, College of FPT &amp; BE</i>
9.6.1.12	A study of FPT&BE students' knowledge, anxiety and attitude towards computers	SC/FBM/2013/03	<i>Prof. &amp; Head, Dept. of FBM, College of FPT &amp; BE</i>
9.6.1.13	Comparison of selection indices using different weights for biometrical characters	SC/Ag. Stat/2013/01	<i>Prof. &amp; Head, Dept. of Ag.Stat. BACA, Anand</i>
9.6.1.14	Plot technique through mathematical approach	SC/AIT/2013/01	<i>Principal, College of AIT, AAU, Anand</i>
9.6.1.15	Study on association of biometrical characters on rice yield	SC/MRRS,Nawagam/2013/01	<i>Res. Sci (Rice), MRRS, AAU, Nawagam</i>
9.6.1.16	Study on correlation between yield and weather variables	SC/MRRS,Nawagam/2013/02	<i>Res. Sci (Rice), MRRS, AAU, Nawagam</i>
9.6.1.17	To develop and standardize the attitude scale of farmers towards Kankrej cow	SC/Ext. Edu./2013/01	<i>Prof &amp; Head, Dept. of Ext.Edu., BACA, AAU, Anand</i>
9.6.1.18	Development and standardization of attitude scale of extension functionaries toward Agricultural	SC/Ext. Edu./2013/02	<i>Prof &amp; Head, Dept. of Ext.Edu., BACA, AAU,</i>

	Technology Management Agency (ATMA)		<i>Anand</i>
9.6.1.19	Study on present status of adoption of package of practices in dairy animals possessed by the farmers of Anand District	SC/Ext. Edu./2013/03	<i>Dept. Head, Dept. of Ext.Edu., GVC, AAU, Anand</i>
9.6.1.20	Follow-up study on training programme organized by EEI Anand on "New approaches and methods in agricultural extension"	SC/EEI/2013/01	<i>Director, EEI, AAU, Anand</i>
9.6.1.21	Follow up study of the participants trained in the workshop on "Human resource development" organized by EEI Anand	SC/EEI/2013/02	<i>Director, EEI, AAU, Anand</i>
9.6.1.22	Follow up study of workshop on application of PRA tools in agricultural extension" organized by EEI Anand	SC/EEI/2013/03	<i>Director, EEI, AAU, Anand</i>
9.6.1.23	Adoption of scientific cultivation of Maize in middle Gujarat Zone-III	SC/MMRS, Godhra/2013/01	<i>Res.Sci. (Maize) MMRS, Godhara</i>
9.6.1.24	A study on scientific knowledge and adoption level of trained and untrained paddy growers of Kheda District.	SC/Agri. Wing, Vaso/2013/01	<i>OSD, Agriculture Wing, Vaso</i>
9.6.1.25	A study on extent of knowledge and adoption of no cost and low cost technology in animal husbandry of the farm women of Nadiad taluka of Kheda district	SC/Agri. Wing, Vaso/2013/02	<i>OSD, Agriculture Wing, Vaso</i>
9.6.1.26	Knowledge and adoption regarding use of mineral mixture in livestock feeding	SC/KVK, Devataj/2013/01	<i>Programme Co-ordinator, KVK, Devataj</i>
9.6.1.27	A study on knowledge and adoption of improved technology by cumin growers in Ahmadabad district	SC/KVK, Arnej/2013/01	<i>Programme Co-ordinator, KVK, Arnej</i>
9.6.1.28	A study on exiting practices in cultivation of soyabean in Dahod district	SC/KVK, Dahod/2013/01	<i>Programme Co-ordinator, KVK, Dahod)</i>
9.6.1.29	A study on knowledge and adoption of chilli (Vegetable) production technology by chilli growers in Vadodara district	SC/KVK, Mangalbharti/2013/01	<i>Programme Co-ordinator, KVK, Mangalbharti</i>
9.6.1.30	A study on knowledge and adoption of bitter gourd production technology by bitter gourd growers in Kheda district	SC/KVK, Dethali/2013/01	<i>Programme Co-ordinator, KVK, Dethali</i>
9.6.1.31	Present status of dairy farmers and their training need assessment as perceived by dairy farmers	SC/DVK, Vejalpur/2013/01	<i>Programme Co-ordinator, DVK, AAU,</i>

			<i>Vejalpur</i>
9.6.1.32	Socio economic status and training need assessment of livestock keepers in operation area of PVK	SC/PVK, D'baria/2013/01	<i>Programme Co-ordinator, PVK, AAU, Devgad Baria</i>
9.6.1.33	Feedback about diploma course as perceived by the trained agricultural input dealers	SC/IDEA/2013/01	<i>Director, Institute of Distance Education, AAU, Anand</i>
9.6.1.34	Expected areas of training as perceived by the farmers	SC/SSK/2013/01	<i>SSK, DOEE, AAU, Anand</i>
9.6.1.35	Constraints faced by the farmers to seek the information regarding improved agricultural practices from Anand Agricultural University	SC/TTC/2013/01	<i>TTC, DOEE, AAU, Anand</i>
9.6.1.36	Knowledge and adoption of recommended practices of paddy crop	SC/TTC/2013/02	<i>TTC, DOEE, AAU, Anand</i>
9.6.1.37	Growth and nutritional status of pre-school children (4-6 year)	SC/TRTC, D'baria/2013/01	<i>Programme Co-ordinator, TRTC, AAU, Devgadbaria</i>
9.6.1.38	Present socio-economic status and training need assessment of farmers in operational area of Sansoli training centre	SC/ARS, Sansoli/2013/01	<i>Assoc. Res. Sci., AAU, Sansoli</i>
9.6.1.39	Socio-economic status and training needs of farmers of Pavi-Jetpur and Sankheda talukas	SC/ARS, Jabugam/2013/01	<i>I/c, Training Centre, AAU, Jabugam</i>
9.6.1.40	An explorative study on status, managemental practices, constraints and prospects of Emu farming in Gujarat	SC/Animal Husbandry, Anand/2013/01	<i>Prof &amp; Head, Dept. of Ani.Hus., BACA, AAU, Anand</i>
<b>9.7 Animal Production and Fisheries</b>			
9.7.1.1	To study the kidding performance of Surti goats.	AP/KGK,ARS, Sansoli/2013/01	<i>Research Scientist, Kapila Gosansodhan Kendra, Minawada &amp; Pashupalan sansodhan Kendra, Ramna Muvada</i>
9.7.1.2	Validation of continuous temperature measurement in Surti buffaloes for detection of estrus.	AP/RBRU/2013/01	<i>Research Scientist, RBRU</i>
9.7.1.3	Effect of Solid State Fermentation (SSF) biomass	AP/ANRS/2013/01	<i>Research Scientist,</i>

	on digestibility and nutrient utilization in goats		ANRS
9.7.1.4	To evolve area specific mineral mixture for dairy animals in Ahmedabad district.	AP/ANRS/2013/02	Research Scientist, ANRS
9.7.1.5	Studies on the effect of feeding bypass fat and yeast ( <i>Saccharomyces cerevisiae</i> ) supplemented total mixed ration to growing Surti kids under heat stress	AP/ANRS/2013/03	Research Scientist, ANRS
9.7.1.6	Studies on the effect of total mixed ration supplemented with bypass protein and yeast ( <i>Saccharomyces cerevisiae</i> ) to lambs under heat stress	AP/ANRS/2013/04	Research Scientist, ANRS
9.7.1.7	Screening of potential phytochemical feed additives for their effect on substrate degradation and methanogenesis <i>in vitro</i> .	AP/ANRS/2013/05	Research Scientist, ANRS
9.7.1.8	Evaluation of graded levels of selected phytochemical feed additives for their influence on <i>in vitro</i> substrate degradability and methanogenesis.	AP/ANRS/2013/06	Research Scientist, ANRS
9.7.1.9	Evaluation of combination of phytochemical feed additives for their effects on <i>in vitro</i> substrate degradability and methanogenesis.	AP/ANRS/2013/07	Research Scientist, ANRS
9.7.1.10	Study of nutritional status of dairy animals of Anand district.	AP/ANRS/2013/08	Research Scientist, ANRS
9.7.1.11	Nutritional evaluation of wheat straw Based Total Mixed Ration in sheep	AP/ANRS/2013/09	Research Scientist, ANRS
9.7.1.12	Effect of feeding bypass fat during prepartum and early lactation periods in buffaloes.	AP/ANRS/2013/10	Research Scientist, ANRS
9.7.1.13	Supplementation of appropriate mineral mixture to anestrus and repeat breeder buffaloes in tribal areas of Vadodara and Panchmahals districts.	AP/ANRS/2013/11	Research Scientist, ANRS
9.7.1.14	To estimate <i>in vitro</i> methane production from feeds and fodder at T <sub>1/2</sub> in crossbred cattle.	AP/ANRS/2013/12	Research Scientist, ANRS
9.7.1.15	Improvement in IWN & IWP strains (S <sub>11</sub> generation) so as to achieve annual egg production of 305 eggs in crosses with an average egg weight >52 g (under AICRP).	AP/Poultry Complex/2013/01	Research Scientist and Head, Poultry Complex

9.7.1.16	Performance testing of IWN x IWP cross at Random Sample Poultry Performance Test (under AICRP).	AP/Poultry Complex/2013/02	<i>Research Scientist and Head, Poultry Complex</i>
9.7.1.17	Front line demonstration of IWN x IWP strain cross developed at the centre (under AICRP).	AP/Poultry Complex/2013/03	<i>Research Scientist and Head, Poultry Complex</i>
9.7.1.18	Selection studies in Bantamised White Leghorn.	AP/Poultry Complex/2013/04	<i>Research Scientist and Head, Poultry Complex</i>
9.7.1.19	Establishment of native germplasm of fowl of Gujarat.	AP/Poultry Complex/2013/05	<i>Research Scientist and Head, Poultry Complex</i>
9.7.1.20	Selection studies in synthetic White Leghorn developed at the centre.	AP/Poultry Complex/2013/06	<i>Research Scientist and Head, Poultry Complex</i>
9.7.1.21	Economics of calf rearing using milk replacer formulated from locally available resources.	AP/LRS/2013/01	<i>Research Scientist and Head, LRS</i>
9.7.1.22	Diet dependent changes in rumen micro flora in Gir animals (in collaboration with Dept. of Animal Biotechnology).	AP/LRS/2013/02	<i>Research Scientist and Head, LRS</i>
9.7.1.23	To study the pattern of labour utilization at Livestock Research Station.	AP/LRS/2013/03	<i>Research Scientist and Head, LRS</i>
9.7.1.24	To study the behavior of different categories of animals maintained at LRS	AP/LRS/2013/04	<i>Research Scientist and Head, LRS</i>
9.7.1.25	To prepare GTG banded karyotype of buffalo.	AP/AGB/2013/01	<i>Professor and Head, Dept. of AGB</i>
9.7.1.26	Survey and phenotypic characterization of Dumba (Dooma) sheep.	AP/AGB/2013/02	<i>Professor and Head, Dept. of AGB</i>
9.7.1.27	Screening and genotyping of SNPs in Lactoferrin and Lactoperoxidase genes in Kachchhi camel using PCR-RFLP.	AP/AGB/2013/03	<i>Professor and Head, Dept. of AGB</i>
9.7.1.28	Sequencing of mitochondrial gene segments, i.e., D-loop and cytochrome b in horse.	AP/AGB/2013/04	<i>Professor and Head, Dept. of AGB</i>
9.7.1.29	Sequencing of mitochondrial gene segments, i.e., D-loop and cytochrome b in camel.	AP/AGB/2013/05	<i>Professor and Head, Dept. of AGB</i>
9.7.1.30	Captive bird sexing by molecular method.	AP/AGB/2013/06	<i>Professor and Head,</i>



			<i>Dept. of AGB</i>
9.7.1.31	Effect of water restriction and rehydration on indigenous hoggets under middle Gujarat agro-climatic conditions.	AP/LPM/2013/01	<i>Professor and Head, Dept. of LPM</i>
9.7.1.32	Effect of water restriction and rehydration on indigenous sheep and goats under middle Gujarat agro-climatic conditions.	AP/LPM/2013/02	<i>Professor and Head, Dept. of LPM</i>
9.7.1.33	Estimation of trace minerals and vitamin A levels at various ages in Gir cattle and Jaffarabadi buffaloes.	AP/Animal Physio. & Biochem./2013/01	<i>Professor and Head, Dept. of Animal Physiology &amp; Biochemistry</i>
9.7.1.34	Studies on morphometric characteristics of udder and teats, milking practices followed by farmers and incidences of sub-clinical mastitis in crossbred cows maintained on commercial dairy farms in Anand district.	AP/Animal Science/2013/01	<i>Professor and Head, Dept. of Animal Science</i>
<b>ANIMAL HEALTH</b>			
9.7.4.1.35	<i>In-vitro</i> antibacterial activity of aqueous and alcoholic extracts of <i>Mimosa pudica</i> (Lajamani/chuimui) and <i>Bryophyllum calycinum</i> (Panfuti)	AH/Pharmacology & Toxicology/2013/01	<i>Professor, Dept. Of Pharmacology and Toxicology</i>
9.7.4.1.36	Abattoir studies on amphistomosis of buffaloes	AH/Parasitology/2013/01	<i>Professor, Dept. Of Vety. Parasitology</i>
9.7.4.1.37	Abattoir studies on fasciolosis of buffaloes	AH/Parasitology/2013/02	<i>Professor, Dept. Of Vety. Parasitology</i>
9.7.4.1.38	Studies on common diseases of goats in central Gujarat	AH/Vet. Medicine/2013/01	<i>Professor, Dept. Of Vety. Medicine</i>
9.7.4.1.39	Clinical studies on epidemiology and haematobiochemistry of common diseases of camel.	AH/Vet. Medicine/2013/02	<i>Professor, Dept. Of Vety. Medicine</i>
9.7.4.1.40	Evaluation of immunomodulatory activity of <i>Prosopis juliflora</i> alkaloids in the treatment of bovine sub-clinical mastitis	AH/Vet. Medicine/2013/03	<i>Professor, Dept. Of Vety. Medicine</i>

9.7.4.1.41	Molecular identification of bacterial isolates recovered from field cases of sub-clinical mastitis	AH/Vet. Medicine/2013/04	Professor, Dept. Of Vety. Medicine
9.7.4.1.42	Immune response in dogs with generalized demodicosis	AH/Vet. Medicine/2013/05	Professor, Dept. Of Vety. Medicine
9.7.4.1.43	Toxicopathological studies of aceclofenac in broiler chicks	AH/Vet. Pathology/2013/01	Professor, Dept. Of Vety. Pathology
9.7.4.1.44	Toxicopathological studies of flunixin meglumine in broiler chicks	AH/Vet. Pathology/2013/02	Professor, Dept. Of Vety. Pathology
9.7.4.1.45	Isolation and molecular characterization of avian <i>Pasteurella multocida</i>	AH/Vet. Microbiology/2013/01	Professor, Dept. Of Vety. Microbiology
9.7.4.1.46	Isolation and pathotyping of Newcastle disease virus	AH/Vet. Microbiology/2013/02	Professor, Dept. Of Vety. Microbiology
9.7.4.1.47	Standardization and application of Loop-mediated isothermal Amplification (LAMP) technique for diagnosis of <i>P. multocida</i>	AH/Vet. Microbiology/2013/03	Professor, Dept. Of Vety. Microbiology
9.7.4.1.48	Standardization and application of Indirect hemagglutination (IHA) test for detection of antibody titre against <i>P. multocida</i>	AH/Vet. Microbiology/2013/04	Professor, Dept. Of Vety. Microbiology
9.7.4.1.49	Augmenting fertility in infertile dairy cows and buffaloes using controlled breeding techniques under Amul milk-shed area	AH/Vet. Gynaecology/2013/01	Professor, Dept. Of Vety. Gynaecology
9.7.4.1.50	Studies on ultrasonography and plasma endocrine profile during early pregnancy in mares	AH/Vet. Gynaecology/2013/02	Professor, Dept. Of Vety. Gynecology
9.7.4.1.51	Augmenting reproductive efficiency of infertile dairy animals using controlled breeding techniques in tribal areas	AH/Vet. Gynaecology/2013/03	Professor, Dept. Of Vety. Gynecology
9.7.4.1.52	Isolation and characterization of <i>Campylobacter</i> spp. From animal and human sources	AH/Vet. Public Health/2013/01	Professor, Dept. Of Vety. Public Health
9.7.4.1.53	Protein profiling of <i>Campylobacter</i> isolates of different origin	AH/Vet. Public Health/2013/02	Professor, Dept. Of Vety. Public Health
9.7.4.1.54	Quinolone resistance in <i>Campylobacter</i> isolates	AH/Vet. Public Health/2013/03	Professor, Dept. Of Vety. Public Health
9.7.4.1.55	Isolation and identification of <i>E. coli</i> from milk and milk products	AH/Vet. Public Health/2013/04	Professor, Dept. Of Vety. Public Health

9.7.4.1.56	Isolation and identification of <i>E. coli</i> and <i>Salmonella</i> spp. from Eggs and poultry house environment	AH/Vet. Public Health/2013/05	Professor, Dept. Of Vety. Public Health
<b>9.8 Basic Science</b>			
9.8.1.1	Comparative study of bidi tobacco varieties for their oil and quality parameters	CI/BTRS (Biochemistry)/2013/01	Asso. Res. Sci., BTRS, AAU, Anand
9.8.1.2	Differential gene expression against drought stress in wheat genotypes	CI/Biochemistry, Anand/2013/01	Prof. & Head, Dept. of Biochemistry, BACA, AAU, Anand
9.8.1.3	Study of host pathogen interaction in cumin <i>Alternaria</i> blight infection	CI/Agri. biotech/2013/01	Prof. & Head., Dept. of Agri. Biotech., AAU, Anand
9.8.1.4	Population structuring in okra and it's wild relatives using SSR markers	CI/Agri. biotech/2013/02	Prof. & Head., Dept. of Agri. Biotech., AAU, Anand
9.8.1.5	DNA finger printing of crop varieties and other bio-inputs developed by AAU, Anand using SSR and ISSR markers	CI/Agri. biotech/2013/03	Prof. & Head., Dept. of Agri. Biotech., AAU, Anand
9.8.1.6	Isolation and validation of <i>CCD-2</i> and <i>Lcy B-1</i> genes of saffron	CI/Agri. biotech/2013/04	Prof. & Head., Dept. of Agri. Biotech., AAU, Anand
9.8.1.7	Development of EST-SSR markers for fiber quality in diploid cotton	CI/Agri. biotech/2013/05	Prof. & Head., Dept. of Agri. Biotech., AAU, Anand
9.8.1.8	Validation of newly developed SSR markers of <i>Plantago ovata</i> (Isabgol)	CI/Agri. biotech/2013/06	Prof. & Head., Dept. of Agri. Biotech., AAU, Anand
9.8.1.9	Screening of wild germplasm of okra for YVMV resistance	CI/Agri. biotech/2013/07	Prof. & Head., Dept. of Agri. Biotech., AAU, Anand
9.8.1.10	Inter specific hybridization in okra	CI/Agri. biotech/2013/08	Prof. & Head., Dept. of Agri. Biotech., AAU, Anand
9.8.1.11	Interspecific hybridization in Tomato ( <i>Solanum lycopersicum</i> L.)	CI/Agri. biotech/2013/09	Prof. & Head., Dept. of Agri. Biotech., AAU, Anand
9.8.1.12	Inter specific hybridization in cotton ( <i>G. herbaceum</i> )	CI/Agri. biotech/2013/10	Prof. & Head., Dept. of

	and <i>G. arboreum</i> )		<i>Agri. Biotech., AAU, Anand</i>
9.8.1.13	Development of colchiploid in desi cotton	CI/Agri. biotech/2013/11	<i>Prof. &amp; Head., Dept. of Agri. Biotech., AAU, Anand</i>
9.8.1.14	Refinement of date palm micro-propagation protocol for early callus induction and for other stages	CI/Tissue culture/2013/01	<i>Prof. &amp; Head, Plant Tissue Lab., AAU, Anand</i>
9.8.1.15	Effect of nano-zinc application on morphological parameters of Rice variety Jaya/GR 11	CI/Nanotechnology/2013/01	<i>Prof. &amp; Head, Nanotechnology, AAU, Anand</i>
9.8.1.16	Physiological investigation on productivity in maize ( <i>Zea mays</i> L.)	CI/Botany/2013/04	<i>Prof. &amp; Head, Dept. of Botany, BACA, AAU, Anand</i>
9.8.1.17	Estimation of leaf area in Rustica tobacco varieties GC 1 and GCT	CI/BTRS (PI. Physio)/2013/01	<i>Res. Sci. (Pl. Phy.), BTRS, AAU, Anand</i>
9.8.1.18	Influence of plant growth regulators (PGRs) on growth, sex expression and fruit yield of cucumber ( <i>Cucumis sativus</i> L.) Gujarat cucumber -1	CI/MVRS (PI. Physio)/2013/01	<i>Res. Sci. (Pl. Phy.), MVRS, AAU, Anand</i>
9.8.1.19	Influence of chemicals and PGRs on growth and dry biomass yield of Dodi ( <i>Leptadenia reticulata</i> )	CI/M & AP (PI.Physio)/2013/01	<i>Res. Sci. (M &amp; AP), AAU, Anand</i>
9.8.1.20	Seed priming and foliar spray of stress mitigating chemicals for ameliorating	CI/ARS, Dhandhuka/2013/01	<i>Assoc. Res. Sci., ARS, Dhandhuka, Ahmedabad</i>