Volume-8

ANNUAL PROGRESS REPORT

(2017-18)

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कृणवन्तो राष्ट्रं कृषिसंपन्नम्

COLLEGE OF AGRICULTURAL ENGINEERING AND TECHNOLOGY

ANAND AGRICULTURAL UNIVERSITY
GODHRA-389001,
GUJARAT-INDIA

INDIAN COUNCIL OF AGRICULTURAL RESEARCH
NEW DELHI

NATIONAL AGRICULTURAL EDUCATION ACCREDITATION BOARD

CERTIFICATE OF ACCREDITATION

On the recommendations of the ICAR Peer Review Team, the National Agricultural Education Accreditation Board, ICAR, New Delhi hereby grants accreditation to the Anand Agricultural University, Anand (Gujarat) and its following constituent colleges upto March 31 , 2021.

- B.A. College of Agriculture, Anand
- Sheth M.C. College of Dairy Science, Anand
- College of Agricultural Engineering & Technology, Godhra
- College of Food Processing Technology & Bio-Energy
- College of International Agri-Businesss Management Institute
- College of Veterinary Sciences and Animal Husbandry, Anand

The accredited academic programmes are listed overleaf.

November, 2017
New Delhi

(Narendra Singh Rathore)
Deputy Director General (Agril. Edn.), ICAR
and Vice-Chairman, NAEAB

(Trilochan Mohapatra)
Secretary, DARE & Director General, ICAR
and Chairman, NAEAB

ANNUAL PROGRESS REPORT

(2017-18)

Compiled by

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Vice Chancellor

कृणवन्तो राष्ट्रं कृषिसंपन्नम्

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Date : 21/06/2018

MESSAGE

A key goal of Agricultural Engineering discipline is to improve the efficacy and sustainability of agricultural practices. Agricultural Engineers can perform this task very well, as the agricultural engineering combines the principles of mechanical, civil, electrical and chemical engineering disciplines with knowledge of agricultural principles. Farmers in India are the neediest people in many ways and Agricultural Engineering supports them to perform agriculture in better way. It can significantly contribute to increase productivity of land with less drudgery, which is a major issue in India. This discipline also helps to manage Agricultural inputs in efficient and effective manner to reduce the cultivation cost and increase the income of the farmers. With efficient utilization of agricultural resources, this discipline can also play a vital role to maintain food security of country.

I am pleased to know that College of Agricultural Engineering and Technology, Godhra under Anand Agricultural University, Anand has successfully completed 10 years. During this span of time, the college has been constantly achieving higher levels, awarding degrees to 7 successful batches of B. Tech. (Agricultural Engineering) and 5 batches of M. Tech. (Agricultural Engineering) with specialization in Soil and Water Conservation Engineering, Farm Power and Machinery Engineering and Processing and Food Engineering along with 4 students in Ph. D. (Agricultural Engineering) with specialization in Farm Machinery and Power Engineering, Soil and Water Conservation Engineering and Renewable Energy Engineering.

I am sure that the college will be leading the path to provide technological solutions to the farmers and industries. I appreciate the Principal and Dean, compilation team and staff of the college for bringing out a nice useful publication.

(N. C. Patel)

Dr. R. Subbaiah
Principal and Dean

College of Agricultural Engineering & Technology
Anand Agricultural University
Anand
Office : + 91-2672-265128
Date : 27/06/2018

MESSAGE

The fragility of food production systems faces formidable challenges like climate change and extreme weather events, soil degradation, water stress or desertification, fragmented land holding which will exacerbate in the coming years. Importance of agricultural research and development for food security and poverty reduction has been well recognized. Agricultural engineering is a recognized focus of engineering skills and innovation that takes a strongly multidisciplinary approach to agricultural problems to accomplish the vision for future food security of the country. To many, entering a sustainable development path for agriculture and food seems like a daunting challenge. We believe that it is feasible through new revolution in information and control technologies, and in engineering science to understand the performance of highly complex systems and provide routes to optimized operations from farm to fork. Coping with future challenges require radical changes in food system and commitment in research to provide new solutions to novel problems

The Institute continues to outdo itself with each passing year and endeavors to work with partner institutions to develop activities that foster trusting, enduring and mutually beneficial scholarly and social engagements between students, faculty members, staff and the broader community in countries across the globe. Providing value for money and value for many, the year 2017–18 was eventful and exceeded our expectations in terms of quality and quantity of achievements. As a melting pot of academia, consultancy and research, we could draw upon reserves of goodwill among the diasporas of our alumni, reputation among recruiters and potential students, and a team of committed faculties. It is with pride that I present a note of our achievements during this year.

The college continued with its commitment to provide state of the art facilities to the user community and strived to seize opportunities to create innovations. To achieve the above objective and also to improve pedagogy at the college, the computing facilities and services have continuously and significantly been improved over the year. Likewise, the Library facility also continued to grow during the year to cater to the growing academic population.

I look forward to the continued cooperation from all stakeholders to take the Institute to its cherished heights, and in scripting a path towards novelties in 'Globalizing Indian Thoughts'.

I appreciate compilation team and staff of the college for bringing out a nice useful publication.

(Dr. R. Subbaiah)

CONTENTS

1. ABOUT COLLEGE

The College of Agricultural Engineering & Technology was established in the year 2008 by the Government of Gujarat under Vanbandhu Kalyan Yojana situated in tribal area of middle Gujarat at Godhra. The College campus is situated in the outskirts of Godhra- district headquarters of Panchmahals on Godhra-Dahod national highway. It is at 5 kms away from main state transport bus station. The college campus, having a natural ambient, is well occupied by excellent buildings of class rooms, administrative section, academic section, well established laboratories, conference halls, computer centre, boys and girls hostel, recreation rooms, and staff quarters etc. The campus environment is ideal and conducive for learning. The Godhra is well connected by rail services as well by bus with the rest part of Gujarat. With its prime location, it is easily reachable by buses (directly outside the college) and trains, which make it very comfortable and easily accessible place.

The College of Agricultural Engineering & Technology was established by the Government of Gujarat under Vanbandhu KalyanYojana in tribal area at Godhra on 9th May, 2008. Presently the college has six departments namely Soil & Water Conservation Engineering (SWCE), Farm Machinery & Power Engineering (FMPE), Process & Food Engineering (PFE), Renewable Energy Engineering (REE) including two new departments *viz.* Irrigation & Drainage Engineering (IDE) and Basic Engineering & Applied Sciences (BEAS). These departments have well qualified experienced faculty members and well equipped laboratories. Some of the facilities the college possesses include GIS laboratory, good workshop, CAD-CAM lab, modern classrooms, conference room, seminar hall etc. All departments have full access to internet facilities for academic and research purposes. There exist separate hostel facilities for boys & girls, mess facilities for healthy food etc. Academic programs offered by the institute lead to the degrees of B.Tech (Agril. Engg.)and M.Tech (Agril. Engg.)with specializations in SWCE, IDE FMPE, PFE and REE. The undergraduate research and experimentation are being performed based on practical utility with a blend of preliminary research. The post graduate research focuses on the local need and requirement of agricultural engineering interventions. Outsource projects on various aspects are being conducted to strengthen the R&D activities at this Institutions. The various technologies in the field of agricultural engineering are continuously being disseminated through radio talks, trainings, krushi mela, krushi mahaotsav etc. The college also has a 20.46 hectare experimental cum instructional farm at

Kakanpur, which is 26 km far away from Godhra. The farm is being utilized for experimental research work, field demonstrations, conducting practical classes of UG & PG students, quality seed production and advanced research purposes. The main objective of this college is to produce/provide good quality agricultural engineering expert/man power suitable for R&D, education, government & private sectors, agro-industries, NGOs etc.

Goals

- To provide Agril. Engg inputs and trained manpower in tribal regions of the state.
- To facilitate progressive farming with enhanced valued production through efficient management & utilization of natural resources such as land, water, vegetation and energy, agricultural mechanization, agricultural processing and post-harvest technology.
- To provide consultancy & advisory services to different Agricultural Industries, Government and Non-Government Institutions with synergic partnership.
- To prepare highly skilled, technically sound manpower by starting academic programmes like B.Tech., M.Tech. and Ph.D. utilized for agricultural industries and allied agencies.
- To carry out extensive training and extension activities in the thrust areas keeping in the liaison with the different Government and Non-Government organisations to transfer the benefits to the society.

Objectives

- To develop and sustain an academic environment conducive to academic and professional excellence at par.
- To provide world class quality technical education and induce academic, research and enterprising spirit to the youths joining the institute.
- To develop a conducive environment to the technical education and research in need based new and emerging technology areas.
- To create a technology savoir-faire campus and to impart value based education.
- To network with leading national and international institutions, R&D organizations and professional bodies.
- To promote techno-entrepreneurship.
- To promote continuing education programs (CEP) to in service teachers and working professionals.
- To promote all round development of students & create a sense of social responsibility.

Vision

- To be a reputable and creditable agricultural engineering college, producing quality graduates at a competitive level in line with the international education philosophy.
- To explore research areas that will significantly contribute to the development of the state of Gujarat and nation as a whole.
- To develop an environment for personal growth, opportunity, knowledge, exposure, personal attention and career directions in line with our nation's inspiration, this is to build a generation of professionals catering to a knowledge based economy to meet global needs.
- To explore research areas that will significantly contribute to the development of the nation.

2. STAFF POSITIONS AND FUND UTILIZATION

The staff positions of the College during the year 2017-18 and budget head wise grant allocation and it's utilization are given below:

STAFF POSITIONS

Administrative structure of the college

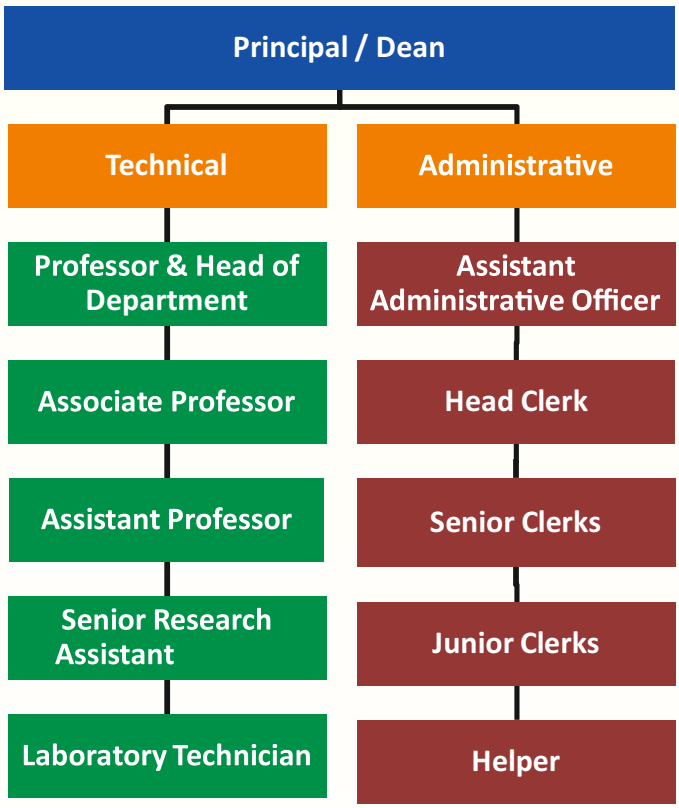


Table 2.1 Overall Staff Position (BH-12975)

Name of the post		Sanctioned	Filled	Vacant
Teaching Staff				
Principal		1	1	0
Professor		2	2*	0
Associate Professor		3	3	0
Assistant Professor	BH-12975	15	14	1
	BH-12987-01	1	1	0
	BH-12993-10	1	0	1
	BH-12993-11	1	1	0
Non-teaching Staff				
Sr. Research Assistant		6	6	0
Lab Technician		3	3	0
Mechanic		1	1	0
Forman Instructor		1	1	0
Supervisor Instructor		1	0	1
Hostel Asst. Warden		1	1	0
Administrative Staff		9	7	2
Other Supportive Staff		1	0	1
Total		**47**	**41**	**6**

**One Professor is working on pool basis at BACA, Anand*

Table 2.2 Department wise Faculty Positions

Departments	Sanctioned Positions			Filled Positions		
	Professor	Assoc. Professor	Assistant Professor	Professor	Assoc. Professor	Assistant Professor
Soil & Water Conservation Engg.	1	-	1	1*	-	1**
Farm Machinery & Power Engg.	1	1	3	1	1***	3
Processing and Food Engg.	0	1	1	0	1	1
Renewable Energy Engg.	0	1	1	0	1	-
Irrigation & Drainage Engg.	-	-	-	-	-	-
Basic Engg. & Applied Sciences	-	-	9	-	-	9
Other B.H	-	-	3	-	-	2#
Total	**2**	**3**	**18**	**2**	**3**	**16**

*Working on pool basis at- * BACA, Anand, **IDE Dept., ***SWCE Deptt., # one at SWCE Dept. & one at PFE Dept.*

Table 2.3 Faculty Credentials##

Departments	Ph. D.		M. Tech./M.E.		M.Sc./M.Phil.	
	No.	%	No.	%	No.	%
Soil & Water Conservation Engg.	1	12.5	1	12.5	-	-
Farm Machinery & Power Engg.	2	25	2	25	-	-
Processing and Food Engg.	2	25	1	12.5	-	-
Renewable Energy Engg.	1	12.5	-	-	-	-
Irrigation & Drainage Engg.	1	12.5	-	-	-	-
Basic Engineering & Applied Sciences	1	12.5	4	50	4	100
Total	**8**	**100**	**8**	**100**	**4**	**100**

Staff in different Depts. after pooling at CAET, Godhra

Table 2.4 Faculty Composition (No. and % of total)[##]

Department	Professor				Associate Professor				Assistant Professor			
	From Within the state		From Outside the state		From Within the state		From Outside the state		From Within the state		From Outside the state	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Soil & Water Conservation Engg.	-	-	-	-	-	-	1	50			1	16.66
Farm Machinery & Power Engg.	-	-	1	100	-	-	-	-	2	20	1	16.66
Processing & Food Engg.	-	-	-	-	-	-	1	50	1	10	1	16.66
Renewable Energy Engg.	-	-	-	-	1	100	-	-	-		-	
Irrigation & Drainage Engg.	-	-	-	-	-	-	-	-	1	10	-	-
Basic Engg. & Applied Sciences	-	-	-	-	-	-	-	-	6	60	3	50
Total			**1**	**100**	**1**	**100**	**2**	**100**	**10**	**100**	**6**	**100**

Staff in different Depts. after pooling at CAET, Godhra

Table 2.5 Location of Highest Degree Received by the Faculty

Cadre	Highest degree from same university	Highest degree from other university within the state	Highest degree from out of the state university	Highest degree from foreign country
Professor	-	-	2	-
Assoc. Professor	1	-	2	-
Asst. Professor	-	9	7	-
Total	**1**	**9**	**11**	**-**
%	**4.76**	**42.86**	**52.38**	**-**

BUDGETARY OUTLAYS

Table 2.6 Grants Received and Expenditure by College during the Year

Grants Received (Rs. in lakhs)					
Particulars	**Pay & Allowances**	**Recurring Contingency**	**Non-Recurring**	**Works**	**Total**
Non-plan	-	0.62	-	-	0.62
Plan (State)	326.06	160.22	28.63	-	514.91
Internal Resources	-	-	-	-	0
ICAR	11.72	65.45	8.46	-	85.63
Others	10.46	16.65	12.32	-	39.43
Total	**348.24**	**242.94**	**49.41**	**0.00**	**640.59**

Expenditure Incurred (Rs. in lakhs)					
Particulars	**Pay & Allowances**	**Recurring Contingency**	**Non-Recurring**	**Works**	**Total**
Non-plan	-	0.48	-	-	0.48
Plan (State)	325.25	159.82	27.34	-	512.41
Internal Resources	-	-	-	-	0
ICAR	10.39	16.18	8.46	-	35.03
Others	5.91	2.18	-	-	8.09
Total	**341.55**	**178.66**	**35.80**	**0**	**556.01**

Table 2.7 Internal Resources Generated during the year

Sr. No.	Particulars	Rs. (lakhs)
1	Farm including dairy, poultry, etc	0.45
2	Students fees	29.05
3	Consultancy	-
4	Hiring out college facilities	0.44
5	Funds raised by Alumni Groups	-
6	Other (specify)	2.98
	Total	**32.92**

Table 2.8 Budget Allocations under Different Sub-heads

Sub-Head	Total Rs. (lakhs)	Percent
Establishment (pay & allowances)	345.38	53.92
TA	2.86	0.45
Recurring contingency	242.93	37.92
Works	-	-
Maintenance	-	-
Others (Non-Recurring)	49.42	7.71
Total	**640.59**	**100.00**

Table 2.9 Annual Budget for Education, Research and Extension Education

All figures in Rs. (lakhs)

Budget	Resident Instruction		Research		Extension	
	Allocated	Expenditure	Allocated	Expenditure	Allocated	Expenditure
Non-plan	0.62	0.48	-	-	-	-
Plan	493.57	491.16	21.34	21.25	-	-
ICAR	64.63	18.68	21.00	16.35	-	-
Others	5.68	4.27	33.75	3.82	-	-
Total	**564.50**	**514.59**	**76.09**	**41.42**	**-**	**-**

Table 2.10 Summary of Grant Allocation and Utilization

All figures in Rs.

	Pay & Allow	Recurring	Non-Recurring	Total
Sanctioned	34824113	24293453	4941741	64059307
Utilized	34155283	17865720	3580275	55601278

Table 2.11 Grant Allocation and Utilization (Budget Head wise)

All figures in Rs.

Sr. No.	Scheme	Budget Head	Grant Allocation				Grant Utilization			
			Salary	Recurring	Non-recurring / Works	Total Grant Allotted	Salary	Recurring	Non-recurring / Works	Total Grant Utilized
1	2	3	4	5	6	7	8	9	10	11
1	Plan	12975	30000000	14253000	2414000	46667000	29925635	14218866	2292481	46436982
2		12987-01	1153000	269000	0	1422000	1152177	268916	0	1421093
3		12993-10	0	600000	0	600000	0	599990	0	599990
4		12993-11	834000	700000	0	1534000	830407	694624	0	1525031
5		12865	293000	70000	449000	812000	290955	69991	441573	802519
6		12967	0	80000	0	80000	0	79954	0	79954
7		12987-13	34500	0	0	34500	34500	0	0	34500
8		12967-02	0	50000	0	50000	0	49914	0	49914
9		12703	54000	0	0	54000	54000	0	0	54000
10		12967-01	104000	0	0	104000	104000	0	0	104000
11		12930	133000	0	0	133000	133000	0	0	133000
12	Non-plan	4500	0	30000	0	30000	0	16332	0	16332
13		4862	0	15000	0	15000	0	14775	0	14775
14		4862-B	0	17000	0	17000	0	17000	0	17000
15	ICAR	15724	0	500000		500000	0	286818	0	286818
16		15735	300000			300000	9010	246894	0	255904
17		15744	0	450000		450000	0	181906	184263	366169
18		15774	0	400000		400000	0	377909	0	377909
19		15785	0	300000		300000	0	17740	182244	199984
20		15305	0	5000000		5000000	0	287588	393845	681433
21		15657	789200	0	0	789200	656200	0	0	656200
22		15658	182000	0	0	182000	182000	0	0	182000
23		15659	192000	0	0	192000	192000	0	0	192000
24		15721	0	150000		150000	0	62246	85869	148115
25		15630-A	0	300000	0	300000	0	156705	0	156705
26	Other Agencies	18096	773283	1369377	1232520	3375180	334779	47619	0	382398
27		18557-18	0	250640	0	250640	0	130776	0	130776
28		18273	0	34000	0	34000	0	28490	0	28490
29		18311-04	18000	0	0	18000	18000	0	0	18000
30		18311-07	69120	4000	0	73120	69120	4000	0	73120
31		18457-35	120000	6667	0	126667	120000	6667	0	126667
32	University Development Fund	9599	66000	0	0	66000	49500	0	0	49500
	Total		**34824113**	**24293453**	**4941741**	**64059307**	**34155283**	**17865720**	**3580275**	**55601278**

3. ACADEMIC ACTIVITIES

The details regarding the degree programmes offered, academic achievement, category wise students' strength during the year, scholarships awarded to the students, B. Tech. Dissertation projects, M. Tech. theses submitted as well as the details regarding subjects offered during B. Tech. (Agril. Engg.), M. Tech. (Agril.Engg.)and Ph. D.(Agril. Engg.) Programmes for the academic year 2017-18 are included in this section.

Table 3.1 Degree Programmes Offered

Sr. No.	Degree Programme	Field of Specialization		Duration	Intake Capacity	Year of Starting
1	**Under Graduate Programme**					
	B. Tech.	Agricultural Engineering		4 Years	40	2008
2	**Post Graduate Programme**					
	i) M. Tech.	1	Farm Machinery and Power Engineering	2 Years for full time and 3 Years for in-service	Depends upon faculty members available for guidance	2011
		2	Soil and Water Conservation Engineering			
		3	Renewable Energy Engineering			
		4	Processing and Food Engineering			2015
	ii) Ph. D.	1	Soil and Water Conservation Engineering	3 Years for full time and 4 Years for in-service	Depends upon faculty members available for guidance	2011
		2	Farm Machinery and Power Engineering			
		3	Renewable Energy Engineering			
		4	Processing and Food Engineering			2015
3	**Vocational Course in Agricultural Engineering (Certification Course)**					
	Module 1	Fabrication, repairs and maintenance of Common Farm Machineries and Implements		1 Year	20+ 5 (Sponsored)	2012
	Module 2	Tools and Techniques of Rain Water Harvesting		1 Year	20+ 5 (Sponsored)	2012

Table 3.2 Intake Capacity and Admitted Students in the Courses Offered

Degree offered	Intake	Admitted
Under Graduate Programmes		
B. Tech. (Agril. Engg.)	40 + 4 (D to D)	38 + 4 (D to D)
Post Graduate Programmes (M. Tech. (Agril. Engg,)		
Farm Machinery and Power Engineering	5	7+1*
Soil and Water Conservation Engineering	7	9
Processing and Food Engineering	2	2+1*
Renewable Energy Engineering	1	1+1*
Post Graduate Programmes (Ph.D.)		
Farm Machinery and Power Engineering	01	00
Soil and Water Conservation Engineering	3	1+ 1*
Processing and Food Engineering	0	1*
Renewable Energy Engineering	00	00

**In-service Students*

Table 3.3 Category wise Distribution of Students

Sr. No.	Category	No. of Bachelors*	No. of Masters	No. of Ph.D.
1.	**Domicile**			
	a) Rural- Gujarat	**24**	10	-
	b) Urban-Gujarat	**14**	05 + 3**	02**
	c) Other State	**04**	04	01
	d) Foreign	**0**	00	-
	Total	**42**	**19+3****	**3**
2.	**Sex**			
	a) Male	38	16+3**	01
	b) Female	04	03	01+01**
	Total	**42**	**19+3****	**03**
3.	**Reservation**			
	a) SC Communities	02	00+1**	-
	b) ST Communities	04	01	-
	c) OBC/SEBC	10	03+1**	01**
	d) General	22	10+1**	01**
	e) ICAR	04	05	01
	f) Payment	00	00	-
	Total	**42**	**19+3****	**01+02****

* *Including students of D to D, ** In-service Students*

Table 3.4 Year wise UG and PG Students passed out

Year*	No. of UG Graduates Passed	No. of PG Graduates Passed				
		Farm Machinery & Power Engg.	Soil and Couservation Water Engg.	Processing & Food Engg.	Renewable Energy Engg.	Total
2011-12	-	N.A.	N.A.	-	N.A.	N.A.
2012-13	27	N.A.	N.A.	-	N.A.	N.A.
2013-14	29	-	-	-	-	-
2014-15	25	0	3+1**	-	-	3+1**
2015-16	28	5	3	-	1**	8+1**
2016-17	34	3+1**	2	-	-	5+1**
2017-18	51	01+1**	01	02	-	04+1**
Total	**194**	**9+2****	**9+1****	**02**	**1****	**20+4****

**Data upto March 31st **Shows the In-service Ph. D. students*

Table 3.5 Category wise Strength of UG students

Semester	Category	First Year		Second Year*		Third Year		Fourth Year		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
Odd	General	14	0	11	1	12	3	15	0	**52**	**4**
	SEBC	22	1	12	4	11	3	17	1	**62**	**9**
	SC	4	0	2	0	7	0	1	0	**14**	**0**
	ST	4	1	2	2	1	2	7	1	**14**	**6**
	Total	**44**	**2**	**27**	**7**	**31**	**8**	**40**	**2**	**142**	**19**
Even	General	11	0	11	1	12	3	15	0	**49**	**4**
	SEBC	22	0	12	4	11	3	17	1	**62**	**8**
	SC	4	0	2	0	7	0	1	0	**14**	**0**
	ST	3	1	2	2	1	2	7	1	**13**	**6**
	Total	**40**	**1**	**27**	**7**	**31**	**8**	**40**	**2**	**138**	**18**

** Includes D to D Students*

Table 3.6 Discipline wise strength of the M. Tech. Students

Sr. No.	Specialization	No. of students registered	
		Regular	In-service
1	Farm Machinery and Power Engineering	7	1
2	Soil and Water Conservation Engineering	9	0
3	Processing and Food Engineering	2	1
4	Renewable Energy Engineering	1	1
	Total	**19**	**3**

Table 3.7 Discipline wise strength of the Ph. D. students

Sr. No.	Specialization	No. of students registered	
		Fresh	In-service
1	Farm Machinery and Power Engineering	-	-
2	Soil and Water Engineering Conservation	1	1
3	Processing and Food Engineering	-	1
4	Renewable Energy Engineering	-	-
	Total	**1**	**2**

Table 3.8 Student Retention Data for the Year 2016-17

Programs	Students admitted*				Dropped				Appeared in final examination				Percentage Passed			
	M		F		M		F		M		F		M		F	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
UG	38	90.48	4	9.52	-	-	-	-	50	98.04	1	1.96	50	98.04	1	1.96
PG	21	84.00	4	16.00	-	-	-	-	5	100	-	-	5	100	-	-

M= Male, F= Female

Table 3.9 Details of Scholarship/ Financial Assistance Awarded to the Students

Sr. No.	Types of Scholarship/Financial Aids	Number of Recipient	Amount (Rs)	Remarks
1	National Talent Scholarship	nil	----	
2	Merit Cum Means Scholarship	nil	----	
3	University Scholarship for UnderGraduate (UG)	03	9000	Half yearly of New Students
		09	27000	Half Yearly of Renewal Students
4	University Scholarship for Post graduate (PG)	01	18000	Half yearly
5	SEBC Post Metric Scholarship (UG)	48	60000	Only food bill & Sadhan Sahay
6	SEBC Post Graduate Scholarship (PG)	01	20000	
7	SC Post Metric Scholarship	06	156200	
8	ST Post Metric Scholarship	10	106400	
	Total	**78**	**396600**	

Table 3.10 No. of Students Qualified ICAR-JRF or GATE Examinations

Year	No. of students qualified JRF exam.	No. of students qualified GATE exam.
2011-12	1	1
2012-13	5	3
2013-14	1	--
2014-15	--	2
2015-16	1	2
2016-17	4	-
2017-18	-	-

Table 3.11 List of B. Tech. (Agril.Engg.) Dissertation Projects Completed

Sr. No.	Reg. No.	Name of Student	Title of Project	Advisor
1	05-0260-2014 05-0261-2014 05-0264-2014	Patel Jayraj Rajnikant Patel Mayurkumar Nitinbhai Prajapati Dhavalkumar R.	Modification of the electric power operated maize sheller for large scale production	Dr. R. Swarnkar
2	05-0248-2014 05-0270-2014	Jadav Kishan Nagabhai Solanki Dilip Babu	Development of battery operated weeder	Dr. Pankaj Gupta
3	05-0266-2014 05-0235-2014	Ranpariya Darpan Jayantilal Bhalara Viral Bharatbhai	Development of angle of repose Measurement apparatus for grain	Dr. Navneet Kumar
4	05-0244-2014 D5-0276-2015	Dodiya Shraddhaben Vajubhai Nayi Pratikkumar Navinbhai	Development of dehydrated sweet corn halwa using response surface methodology	Dr. Navneet Kumar
5	05-0222-2013 05-0237-2014	Vasaiya Varshaben Swaroopsinh Chauhan Vishalkumar Sureshbhai	Performance evaluation of developed dryer for ginger and turmeric using biomass combustor	Dr. D. K. Vyas
6	05-0238-2014 05-0242-2014 05-0245-2014	Chavda Devarsh Mukeshbhai Dhandhalya Sanjaykumar B. Galachar Mukesh Galabhai	Performance evaluation of ground wheel in different sowing machine	Er. Kapil Mandloi
7	05-0247-2014 05-0252-2014	Hapani Mitanshu Ghanshyambhai Kavad Anilbhai Maganbhai	Evaluation of rubber-pad for vibration isolation	Dr. M D Vora
8	05-0243-2014 05-0269-2014	Dobariya Sagar Arvindbhai Shira Jaydip Arvindbhai	Modification and performance evaluation of electric operated maize dehusker	Er. R C Salunkhe
9	05-0233-2014 05-0240-2014	Bavishi Abhishek Viththalbhai Chikani Rohitkumar Dineshchandra	Development of single row multi crop planter for conventional plough	Er. K L Dabhi
10	D5-0274-2015 05-0253-2014 05-0313-2015	Dave Dhruv Dilipkumar Mansuri Samirbhai Inusbhai Damor Bhalejbhai Bhagavanbhai	Design and development of mannual operated pull and push type sprayer	Er. Chirag Jadav
11	05-0259-2014 05-0236-2014 05-0263-2014	Patel Darshak Shaileshbhai Brahmbhatt Manthankumar P. Patel Ritesh Dasharathbhai	Performance evaluation of distributaries under panam canal command in the middle gujarat region	Dr. M.K. Tiwari

12	05-0258-2014 05-0265-2014	Parmar Yagnikkumar Prabhudas Ram Nilesh Hamirbhai	Study of moisture distribution pattern in different emitter geometry under line source drip irrigation system	Er. A. N. Kunapara
13	D5-0277-2015 05-0251-2014	Rathod Jaydipsinh Makansinh Katara Tusharkumar Rameshbhai	Study of different sun drying practices for maize cobs	Dr. Neeraj Seth
14	05-0241-2014 05-0249-2014 05-0256-2014	Deepak Kumar Jigarkumar Tadvi Panchal Kashyap Umeshbhai	Development and standardization of ready-to-serve aloe vera ginger juice	Er. K. R. Jethva
15	05-0257-2014 05-0254-2014	Parmar Narayankumar Mangubhai Nikunjkumar Chauhan	Automatic irrigation system for sandy loam soil.	Er. Vishal Mehra
16	05-0182-2013 05-0267-2014	Barjod Nileshkumar Kantibhai Ravat Ashishkumar Dalpatsinh	Development of nethouse and sutdy on rose plant parameters by different treatments	Prof. S. S. Chinchorkar
17	05-0268-2014 D5-0272-2015 05-0250-2014	Sakariya Sagar Vallabhbhai Balas Nileshkumar Bheekhubhai Kapuriya Bhargavkumar Jayantilal	Studies on process development for onion (allium cepa l.) Dehydration	Er. F. G. Sayyad
18	05-0262-2014 D5-0275-2015	Patel Mitulkumar Kanubhai Kaushal Gadariya	Development of an electronic speed controller using pulse width modulation technique for differential speed applications	Er. J. Sravankumar

Table 3.12 List of PG Students completed their Thesis during this year

Sr. No.	Name of the Student	Reg. No.	Project Title	Project Advisor
M.Tech. Thesis (Soil and Water Engineering)				
1	Deepak Kumar	04-2766-2015	Canal based Irrigation Scheduling and conjunctive water use Planning for optimal cropping pattern in selected PanamCanal command in Panchmahal District,Gujarat	Dr.M.K.Tiwari
M. Tech. Thesis (Farm Machinery and Power Engineering)				
1	ManjeetPrem	04-2768-2015	Development of tractor drawn low cost combined tillage tool	Dr.R. Swarnkar
M. Tech. Thesis (Processing & Food Engineering)				
1	Chauhan Ajitsinh Dadusinh	04-2765-2015	Screening of different drying techniques for freshly harvested maize cobs	Dr. Neeraj Seth
2	Khodifad Bhargavbhai Chitharbhai	04-2767-2015	Foam mat drying of custard apple pulp and storage stability of custard apple powder	Dr. Navneet Kumar
P.hd. Thesis (Farm Machinery and Power Engineering)				
1	Er.M.D.Vora	04-2075-2012	Investigation on noise attention performance of exhaust mufflers of farm tractor with appropriate design alterations	Dr. R. Swarnkar

Table 3.13 Category wise Strength of Vocational students admitted during the Year

Category	Module- 1 Fabrication, repairs and maintenance of Common Farm Machineries and Implements		Module-2 (Tools and Techniques of Rain Water Harvesting)		Total	
	Boys	Girls	Boys	Girls	Boys	Girls
General	-	-	01	-	01	-
SEBC	02	-	01	01	03	01
SC	-	-	-	-	-	-
ST	-	-	-	-	-	-
Total	02	-	02	01	04	01

Table 3.14 Year wise Vocational course students passed out

Year	No. of Vocational Students Passed		
	Module- 1 Fabrication, repairs and maintenance of Common Farm Machineries and Implements	Module -2 (Tools and Techniques of Rain water Harvesting)	Total
2012-13	6	11	17
2013-14	8	10	18
2014-15	5	15	20
2015-16	11	09	20
2016-17	07	03	10
Total	**37**	**48**	**85**

Table 3.15 Board of Studies, Faculty of Agril. Engg.& Technology

Sr. No.	Name of Member	
(a)	**Principal & Dean, College of Agril. Engg. & Technology, Godhra**	
(b)	**The Head of the Department and Professors teaching subjects assigned to the faculty as member:-**	
	1	Head, Farm Machinery & Power Engineering Dept., CAET, Godhra
	2	Head, Processing and Food Engineering Dept., CAET, Godhra
	3	Head, Soil & Water Conservation Engineering Dept., CAET, Godhra
	4	Head, Renewable Energy Engineering Dept., CEAT, Godhara
	5	Head, Basic Engineering and Applied Sciences Dept., CAET, Godhra
	6	Head, Irrigation and Drainage Engineering Dept., CAET, Godhra
(c)	**Director of Research & Dean Post Graduate Studies, AAU, Anand or his representative**	
(d)	**Director of Extension Education, AAU, Anand or his representative**	
(e)	**Five Co-opted Members:-**	
	1	Dr. R. K. Jain, Principal, A.D.Patel Institute of Technology, New Vallabh Vidhyanagar, Post Box:-52, Vitthal Udyognagar-388121, Dist:-Anand
	2	Dr. P. K. Shrivastava, Principal and Dean, ASPEE College of Horticulture and Forestry, N. A. U., Navsari - 396 450

	3	Dr. V. K. Tiwari, Professor, Department of Farm Machinery & Power, Faculty of College of Agricultural Engineering & Technology, Junagadh Agricultural University, Motibag, Junagadh- 362001 Gujarat (India)
	4	Dr.Somabhai Hemchandbhai Suthar, 18,Viddhyanagar Society, Near Punitnagar, Infront of Jaharana garden, Dairy Road, Palanpur, Dist - Banaskantha
	5	Mr.Pavan Kishore Sinha,Manager,Blade Test Centre, Suzlon Energy Limited Unit IV, block no 93,Village-Vadsala, Post Varnama NH. No. 08, Por Vadodara -396242,Gujarat
(f)	**Assistant Registrar (Academic), AAU, Anand**	

Table 3.16 Board of Faculty, Faculty of Agril. Engg.& Technology

Sr. No.	Name of Member		Designation
(1)	**Principal & Dean, College of Agril. Engg. & Technology, Godhra**		**Chairman**
(2)	**Principal, Polytechnic in Agricultural Engineering, Dahod**		**Member**
(3)	**Head of the Department in the Faculty:-**		**Member**
	1	Head, Farm Machinery & Power Engineering Dept., CAET, Godhra	
	2	Head, Processing and Food Engineering Dept., CAET, Godhra	
	3	Head, Soil & Water Conservation Engineering Dept., CAET, Godhra	
	4	Head, Renewable Energy Engineering Dept., CEAT, Godhara	
	5	Head, Basic Engineering and Applied Sciences Dept., CAET, Godhra	
	6	Head, Irrigation and Drainage Engineering Dept., CAET, Godhra	
(4)	**Director of Research & Dean Post Graduate Studies, AAU, Anand or his representative**		**Member**
(5)	**Director of Extension Education, AAU, Anand or his representative**		**Member**
(6)	**Four Assistant Professor and its equivalent from each Department**		**Member**
	1	Mrs. Hetal Tanna, Assistant Professor of Basic Engineering & Applied Siences/ Mathematics, CAET, Godhra	
	2	Er. R. C. Salunkhe, Assistant Professor of Farm Machinery & Power Engineering, CAET, Godhra	
	3	Er. Kamlesh Jethva, Assistant Professor of Processing & Food Engineering, CAET, Godhra	
	4	Er. J. Sravan Kumar, Assistant Professor of Basic Engineering & Applied Sciences/ Electrical, CAET, Godhra	
(7)	**Assistant Registrar (Academic), AAU, Anand**		**Secretary**

4. DEPARTMENTAL ACTIVITIES

Apart from teaching activities, various research and extension activities were also carried out by the different departments during the year 2017-18. These activities are reported here:

RESEARCH ACTIVITIES

Department of Farm Machinery and Power Engineering

Table 4.1 Research Projects Undertaken by the Department

Sr. No.	Project Title	Principal Investigator	Period	
			From	To
1.	Development of a low cost planting unit for conventional plough.	Er. K. L. Dabhi	2014	2017
2.	Development of a low cost power operated maize sheller for small and marginal farmers.	Dr. R. Swarnkar	2016	2017
3.	Development and evaluation of mini tractor operated strip till multi crop planter cum fertilizer applicator	Dr. P. Gupta	2013	Cont.
4.	Design and Development of Tractor-drawn Potato Harvester with Integrated Cart Elevator	R.C. Salunkhe	2016	Cont.
5.	Determination and analysis of vibration levels on mini farm tractor.	Dr. M.D. Vora	2016	Cont.
6.	Development of low cost multi crop planting unit for conventional plough	Er. K. L. Dabhi	2017	Cont.
7.	Development of tractor drawn simple and low cost combined tillage tool	Dr. R. Swarnkar	2017	Cont.
8.	Development of battery operated cutter	Dr. P. Gupta	2017	Cont.
9.	Development of electric motor operated maize cob dehusker	Er. R.C. Salunkhe	2017	Cont.

Research Recommendations

i. Development of a low cost power operated maize sheller for small and marginal farmers

Electric power operated maize sheller developed by Anand Agricultural University is recommended for small and marginal farmer's use and commercial exploitation. The machine works satisfactorily for shelling 1000 kg maize cobs/h. The developed Sheller reduce cost of shelling by 96.87 and 92.00 % over hand and pedal operated maize Sheller respectively.

ભલામણ

આણંદ કૃષિ યુનિવર્સિટી દ્વારા વિકસાવવામાં આવેલ વીજળીથી સંચાલિત મકાઇના દાણા કાઢવાનું મશીન નાના અને સીમાંત ખેડૂતોને વાપરવા તેમજ વેપારી ઉધોગકારો માટે ભલામણ કરવમાં આવે છે. આ મશીન દ્વારા ૧૦૦૦ કિ.ગ્રા. ડોડા/કલાકે સંતોષકારક રીતે ફોલી શકાય છે તેમજ હાથ અને પેડલ સંચાલિત મશીનની સરખામણીમાં અનુક્રમે ૯૬.૮૭ અને ૯૨ % દાણા કાઢવાનો ખર્ચ ઘટાડી શકાય છે.

Low cost power operated maize sheller

ii. Development of a low cost planting unit for conventional plough

A low cost planting unit for bullock drawn conventional plough developed by Anand Agricultural University for maize (seed size of 7 to 10 mm) sowing is recommended for small and marginal farmers' use and commercial exploitation as it saves about 38 & 93% time of sowing and 50 & 71% cost of sowing as compared to conventional plough with funnel type seeding device and dibbling method, respectively.

ભલામણ

આણંદ કૃષિ યુનિવર્સિટી દ્વારા વિકસાવવામાં આવેલ બળદથી ચાલતાં હળ સાથે જોડી શકાય તેવું ઓછી કિંમતનું પ્લાન્ટીંગ યુનિટ નાના તથા સીમાંત ખેડૂતોને વાપરવા તેમજ વેપારી આલમને બહોળી પ્રસિધ્ધી માટે ભલામણ કરવામાં આવે છે. જેના વડે ૭ થી ૧૦ મી.મી. કદના મકાઈના દાણાની વાવણી કરી શકાય છે. આ યુનિટ વડે વાવણી કરવાથી હળ સાથે ઓરણી જોડીને તેમજ દાણા થાણીને મકાઈની વાવેતરની પદ્ધતિ કરતાં અનુક્રમે ૩૮ અને ૯૩% સમયમાં તેમજ લગભગ ૫૦ અને ૭૧% વાવણી ખર્ચમાં બચત કરી શકાય છે.

Low cost planting unit for conventional plough

Department of Soil & Water Conservation Engineering

Table 4.2 Research Projects Undertaken by the Department

Sr. No.	Project Title	Principal Investigator	Period	
			From	To
1.	Conjugate assessment of drip lateral spacing and irrigation regimes on productivity of Rabi Maize	Er. A. Kunapara	2017	Cont.

Department of Processing & Food Engineering

Table 4.3 Research Projects Undertaken by the Department

Sr. No.	Project Title	Principal Investigator	Period	
			From	To
1.	Development of Appropriate Harvest and Post-Harvest Technology for Custard Apple for Tribal Area of Gujarat	Er. K. R. Jethva	2015	Cont.
2.	Development of rapid measurement system for angle of repose of grains	Dr. Navneet Kumar	2016	Cont.
3.	Evaluation and modification of sun drying practices for maize cobs.	Dr. Neeraj Seth	2017	Cont.

Department of Renewable Energy Engineering

Table 4.4 Research Projects Undertaken by the Department

Sr. No.	Project Title	Principal Investigator	Period	
			From	To
1.	Development of biomass combustion based drying systems for ginger and turmeric	Dr. D. K. Vyas	2014	Cont.

Department of Irrigation & Drainage Engineering

Table 4.5 Research Projects Undertaken by the Department

Sr. No.	Project Title	Principal Investigator	Period	
			From	To
1.	Evaluating canal scheduling approaches for optimum productivity in Panam irrigation command area	Dr. Mukesh K. Tiwari	2015	Cont.
2.	Daily and monthly rainfall forecasting using Extreme Learning Machines (ELMs), ANN with genetic algorithm (GANN) in the middle region of Gujarat	Dr. Mukesh K. Tiwari	2016	Cont.

Department of Basic Engineering & Applied Sciences

Table 4.6 Research Projects Undertaken by the Department

Sr. No.	Project Title	Principal Investigator	Period	
			From	To
1.	Development of modified twin wheel weeder	Er. Chirag Jadav	2014	Cont.

2.	Development of Matlab based programming for determination of seed properties.	Mrs. Hetal Tanna	2016	Cont.
3.	Design and development of multipurpose solar cabinet food processor.	Er. J. Sravan kumar	2016	Cont.
4.	Performance evaluation of ARDUINO based wireless soil moisture sensor	Er. Vishal Mehra	2017	Cont.
5.	Evaluation of different types of ground wheel for sowing and planting machine	Er Kapil Mandloi	2017	Cont.
6.	Effect of light intensity and color on growth performance of rose in net house	Mr. S. Chinchorkar	2017	Cont.

Externally Funded Projects

Apart from the departmental Projects, some activities under externally funded projects were also carried out during the year 2017-18.

Table 4.7 Externally Funded Projects Undertaken by the College

Sr. No.	Project Title	Principal Investigator	Budget Head	Period		Funding Agency
				From	To	
Plan Scheme						
Research (Tribal)						
1.	Advanced Centre for Research Trainers Training on Agricultural Engineering Based Interventions	Dr. D. K. Vyas	12993-10	2012	Cont.	ADP
2.	Developing a Watershed Based Conclave for Experimental Learning at Kankanpur	Dr.R.Swarnkar	12993-11	2012	Cont.	ADP
Education						
3.	Strengthening of College of Agricultural Engineering and Technology	-	12975	2013	Cont.	Govt. of Gujarat
4.	Vocational Course on Agricultural Engineering and Technology	-	12987-01	2010	Cont.	Govt. of Gujarat
Other Agency Scheme						
5.	Measurement to Management M2M: Improved Water Use Efficiency & Agricultural Productivity Through Experimental Sensor Network	Dr. Mukesh K. Tiwari	18096-00	2015	2018	Information Technology Research Academy (ITRA), Digital India Corporation Ministry of Electronics & Information Technology, Govt of India

EXTENSION ACTIVITIES

Table 4.8 Extension activities carried out by Department of FMPE

Sr. No.	Detail of activity	Date	Place	Beneficiaries
1.	Two days Farmers training on "કૃષિના વિવિધ સાધનોની જાળવણી "Jointly organized by FMPE Department and Tribal Research and Training Centre, Devagadhbaria.	23/08/17 to 24/08/17	Tribal Research and Training Centre, AAU, Devagadhbaria	100
2.	One day Farmers training on "કૃષિમાં યાંત્રીકીકરણથકી આવક વધારવાના ઉપાયો"	11/10/17	Instructional Farm, Kankanpur	70
3.	One day Farmers training on "કૃષિ પાકોની કાપણીના આધુનિક યંત્રોનો પરિચય"	27/02/18	CAET, Godhra	70

Table 4.9 Extension activities carried out by Department of SWCE

Sr. No.	Details of activity	Date	Place	Beneficiaries
1.	"ટપક સિંચાઇ પધ્ધતિથી પાણીનો કાર્યક્ષમ ઉપયોગ" વિષય અંતર્ગત એક દિવસીય ખેડૂત તાલીમ	08/03/18	CAET, Godhra	50




Table 4.10 Extension activities carried out by Department of PFE

Sr. No.	Detail of activity	Date	Place	Beneficiaries
1.	Training program on Scientific farming practices and value addition of custard apple	20/02/18	CAET, Godhra	50
2.	Training program on Scientific farming practices and value addition of soybean	17/03/18	CAET, Godhra	50



Table 4.11 Extension activities carried out by the Department of REE

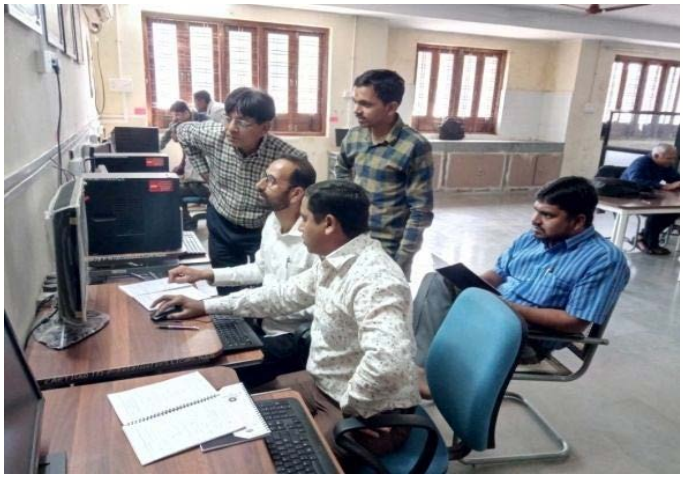
Sr. No.	Detail of activity	Date	Place	Beneficiaries
1.	One day farmers training programme on "ગોબર ગેસનું મહત્વ અને તેની ઉપયોગિતા"	15/09/17	CAET, Godhra	50




Table 4.12 Extension activities carried out by the Department of IDE & SWCE

Sr. No.	Detail of activity	Date	Place	Beneficiaries
1.	Organised an 8 days Model Training Course (MTC) on "Hydrological and Crop	February 6-13, 2018	College of Agricultural Engineering	Field & Extension functionaries, Professionals from the state departments & SAUs

	Simulation Modeling in the Arena of Climate Change" sponsored by Directorate of Extension Department of Agriculture Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India, New Delhi.		and Technology, AAU, Godhra	



5. HUMAN RESOURCE DEVELOPMENT

Table 5.1 Trainingsorganized by the Faculty

Sr. No.	Title	Duration	Sponsoring Authority
1.	Two days farmers training programme on "કૃષિના વિવિધ સાધનોની જાળવણી"	23- 24/08/2017	University Budget Head
2.	One day farmers training programme on "ગોબર ગેસનું મહત્વ અને તેની ઉપયોગિતા"	15/09/2017	Plan Scheme -12993-10
3.	One day farmers training programme on "કૃષિમાં યાંત્રીકીકરણ થકી આવક વધારવાના ઉપાયો"	11/10/2017	Plan Scheme -12993-11
4.	8 days training of Extensiuon functnories/faculties on "Hydrological and Crop Simulation Modeling in the Arena of Climate Change"	8 days (February 6-13, 2018)	Directorate of Extension Department of Agriculture Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, GOI, New Delhi
5.	Training program on Scientific farming practices and value addition of custard apple	20/02/2018	University Budget Head
6.	One day farmers training programme on "કૃષિ પાકોની કાપણીના આધુનિક યંત્રોનો પરિચય"	27/02/2018	Plan Scheme 12993-10
7.	One day farmers training programme on "ટપક સિંચાઇ પધ્ધતિથી પાણીનો કાર્યક્ષમ ઉપયોગ "	08/03/2018	Plan Scheme 12993-10
8.	Organized one day Training on "Thing Speak in IoT and App Designing in Matlab"	15/03/2018	University Budget Head
9.	Training program on Scientific farming practices and value addition of soybean	17/03/2018	University Budget Head

Table 5.2 Training/Workshop/Seminar/Symposium/Conference attended

Sr. No.	Name of Teacher/ Scientist	Participated	Duration	
			From	To
1.	Dr. Mukesh K. Tiwari	21 days summer school entitled "Geospatial Technology & It's Applications (GeoTia-2017)" organized by Centre for Geoinformatics, Tata Institute of Social Sciences (TISS), Mumbai, sponsored by Natural Resource Data Management System (NRDMS), Department of Science & Technology (DST), Ministry of Science & Technology, GOI, New Delhi	20/03/17	09/04/17

2.	Dr. D. K. Vyas Dr. Mukesh K. Tiwari Dr. Navneet Kumar	National Conference on "Technological Changes & Innovations in Agriculture for Enhancing Farmers' Income", at JAU, Junagadh, Gujarat organized jointly by ASM Foundation, New Delhi, and JAU, Junagadh, Gujarat.	28/05/17	31/05/17
3.	Er. A. N. Kunapara	One Day National Conference at AAU, Anand	30/06/17	30/06/17
4.	Er. A. N. Kunapara	"Satellite based Hydrology and Modeling" Training at SAC, ISRO, Ahmedabad	08/08/17	11/08/17
5.	Er. A. N. Kunapara	Research Training for Newly requited Scientist at AAU, Anand	26/12/17	26/12/17
6.	Dr. Pankaj Gupta Dr. Neeraj Seth Dr. D. K. Vyas Er. J. J. Chavda Dr. Mukesh K. Tiwari Er.Kapil Mandloi Er. Chirag Jadav Dr. Gautam Kamani S.S. Chinchorkar Hetal Tanna Shefali Modi Er. Sravankumar Mr. Hardik Sharma Er. K. R. Jethva Dr. Navneet Kumar Dr. R. Swarnkar K.L.Dabhi Er. R. C. Salunkhe Er. R.S. Godhani	52nd ISAE National Convention on Doubling Farmers Income Through Technological Interventions at AAU, Anand	08/01/18	10/01/18
7.	Dr. Pankaj Gupta Er. A. N. Kunapara Dr. Mukesh K. Tiwari Shefali Modi	Conference on Farmers First for Conserving Soil and Water Resources in Western Region (FFCSWR-2018) held at AAU, Anand, organized by Indian Association of Soil and Water Conservationists, Dehradun, Uttarakhand	01/02/18	03/02/18

Table 5.3 Lecture delivered

Sr. No.	Name of Teacher/ Scientist	Lecture Topic	Place	Date
1.	Er. K.L. Dabhi	ખેતી યાં ત્રીકીકરણના સાધનો અને તેની જાળવણી	Farmers' Training at Tribal Research and Training Centre, AAU, Devagadhbaria.	23/08/17
2.	Dr. D.K. Vyas	સોલર પમ્પિંગ	Farmers' Training at Tribal Research and	29/08/17

3.	Er. J.J. Chavda	ખેતીમાં ઉર્જાની બચત	Training Centre, AAU, Devagadhbaria.	
4.	Dr. D.K. Vyas	ગોબર ગેસ એટલે શું? અનેતેની પ્રાધ્યાન્યતા	CAET, Godhra	15/09/17
5.		બાયો ગેસનું શુધ્ધિકરણ અને તેના ઉપયોગો		
6.	Er. J.J. Chavda	જુદા જુદા પ્રકારના બાયોગેસ પ્લાન્ટ,તેના ફાયદા અને ગેર ફાયદા		
7.		જુદા જુદા કચરા/ ખેતઆડ પેદાશોનો બાયોગેસમાં ઉપયોગ		
8.	Er.K.L.Dabhi	મકાઈમાં યાંત્રીકીકરણનું મહત્વ અને ફાયદા	Farmers' Training at village: Pipaliya, Ta.Godhra	28/09/17
9.	Dr. D.K. Vyas	ગ્રીન હાઉસ/નેટ હાઉસના પ્રકારો અને તેની જાળવણી	ગ્રીનહાઉસ/નેટહાઉસમાં ખેતીઅંગેનીતાલીમ,વિસ્તરણનિયામક શ્રીનીકચેરી,આ. કૃ. યુ.,આણંદ	16/6/17, 26/09/17, 23/01/18
10.	Er. A. N. Kunapara	ખેતીમાં જમીન અને પાણીની ચકાસણી	Tribal Research cum Training Centre, AAU, Devagadhbaria	29/08/17
11.	Er.K.L.Dabhi	જુદા જુદા પાકોની વાવણી માટે જમીન તૈયાર કરવા માટેનાં સાધનો અને કાર્યપધ્ધતિ	Farmers' Training at Instructional Farm, Kankanpur	11/10/17
12.	Er. R. C. Salunkhe	જુદા જુદા પકોની વાવણી કરવા માટેનાં આધુનિક સાધનો		
13.	Er. Rajesh S. Godhani	આંતરખેડ(નિંદામણ) નું મહત્વ તથા તેના માટે વપરાતા જુદા જુદા સાધનો		
14.	Dr. R. Swarnkar	કૃષિમાં યાંત્રીકીકરણનું મહત્વ અનેતેના ફાયદાઓ		
15.	Er.K.L.Dabhi	ખેતી ખર્ચ ઘટાડવા માટે યાંત્રીકીકરણનો કાર્યક્ષમ ઉપયોગ	Krusi mela at Farmers Training Centre, Godhra	06/01/18
16.	Dr. Pankaj Gupta	In-situ water management through mechanization	During 08 days Model Training Course (MTC), at CAET, Godhra. sponsored by Directorate of Extension Department of Agriculture Cooperation & Farmers Welfare, Min. of Agriculture & Farmers Welfare, Govt. of India, New Delhi.	6-13/02/ 2018
17.	Dr. Mukesh K. Tiwari	Hands on Training on Geo-Spatial Data and their Analysis		
18.		Role of Remote Sensing and GIS in Agriculture & Hydrology-Part- 1		
19.		Role of Remote Sensing and GIS in Agriculture & Hydrology-Part-2		
20.		Hydrograph Development and Runoff Estimation in Gauged basins		
21.		Hands on Training on ArcGIS		
22.		Estimation of Crop Coefficients using		

		RS & GIS		
23.		Hands on Training on HEC-HMS Rainfall runoff Modeling Tool		
24.		Hands on Training on SWAT Rainfall runoff Modeling Tool-1.		
25.		Estimation of ET using RS & GIS		
26.	Er. A. N. Kunapara	Increasing irrigation water use efficiency under climate change scenario		
27.	Er. K. R. Jethva	સીતાફળની કાપણી પછીની વ્યવસ્થાપન પ્રક્રિયાઓ દ્વારા સારસંભાળ	Farmers' Training at CAET, AAU, Godhra	20/02/18
28.	Dr. Navneet Kumar	સીતાફળના પાકની મૂ લ્યવૃ દ્ધિની જુદી-જુદી રીતો		
29.	Er. A. N. Kunapara	સીતાફળના પાકમાં ટપક સિંચાઇની ઉપયોગીતા		
30.	Er.K.L.Dabhi	ખેતી પાકોની કાપણી માટેના આધુ નિક સાધનો અંગેની જાણકારી	Farmers' Training at CAET, AAU, Godhra	27/02/18
31.	Dr. R. Swarnkar	ખેતીના પાકોની યાં ત્રિક પાક કાપની પદ્ધતિઓ અને તેની સરખામણી		
32.	Er. R. C. Salunkhe	કમ્બાઈન હાર્વેસ્ટરના વિવિધ ભાગોની જાણકારી		
33.	Dr. M. D. Vora	કમ્બાઈન હાર્વેસ્ટરનો પરિચય અને તેની ઉપગીતા		
34.	Er. Rajesh S.Godhani	પાકોની કાપણી માટેના આધુ નિક સાધનો અંગેની જાણકારી		
35.	Er. A. N. Kunapara	ટપક સિંચાઇ પદ્ધતિનીજા ળવણી	CAET, Godhra	08/03/18
36.	Er. A. N. Kunapara	કઠોળ પાકમાં ટપક સિંચાઇ દ્વારા પાણીનો કાર્યક્ષમ ઉપયોગ	Farmers' Training at CAET, AAU, Godhra	17/03/18
37.	Er.K.L.Dabhi	સોયાબીનની ખેતીના યાં ત્રીકીકરણ માટેના આધુ નિક ખેત ઓજારો અને તેનું મહત્વ		
38.	Dr. Navneet Kumar	સોયાબીનની પ્રોસેસિંગ અને સં ગ્રહ પદ્ધતિ		
39.	Dr. Neeraj Seth	સોયાબીનની વિવિધ બનાવટો દ્વારા મુ લ્યવર્ધન		
40.	Er. K. R. Jethva	સોયાબીનની મૂ લ્ય વર્ધિત બનાવટો દ્વારા સ્વરોજગાર		

6. PUBLICATIONS AND AWARDS

This section deals with the achievements of the CAET staff in terms of publications of research papers, books, chapters, bulletins, etc. and the awards, patents etc. received due to their excellent work.

6.1 Research Papers Published

International journal

1. Gupta P., Kapuriya R.L. and Yadav R. (2017). Tractor air intake pressure use in pneumatic planter. ***International Journal of Advanced Scientific Research and Management***, Vol. 2 (4):1-5.
2. Makwana J. and Tiwari M.K. (2017). Hydrological stream flow modeling using soil and water assessment tool (SWAT) and neural networks (NNs) for the Limkheda watershed, Gujarat, India. ***Modeling Earth Systems and Environment***, 3(2): 635-645.
3. Ghodasara Y.R., Parmar R.S., Kamani G.J. and Kamani K.C. (2018). Performance Testing Of Websites Using Jmeter Testing Tool. ***IJCRT***, Vol. 6, Issue 1, 2320-2882.
4. Kachhadiya S. and Jethva K.R. (2018). Physico-chemcial properties of Custard Apple. ***Multilogic in Science***, VII(XXV): 91-97
5. Tidke B., Sharma H.K. and Kumar N. (2017). Development of peanut and chickpea nut brittle (*Chikki*) from the incorporation of sugar, jaggery and corn syrup. ***International Food Research Journal***, 24(2): 657-663.
6. Deshmukh Y., Sharma H.K. and Kumar N. (2017). Modeling of physicochemical and functional parameters of pumpkin (*Cucurbita pepo*) powder using response surface methodology, ***International Food Research Journal*** 24(5): 2071-2081.
7. Mandloi K., Swarnkar R., Yoganandi Y.C., Patel P. and Dabhi K.L. (2017). Development and evaluation of a multipurpose tool bar for mini tractor suitable for the cropping pattern of middle Gujarat region. ***International Journal of Agricultural Engineering***, Vol. 10 (2):01-09.
8. Prem M., Verma N.K., Dabhi K.L. and Swarnkar R. (2017). Use of Different Tillage Tools for Minimizing Number of Passes in Secondary Tillage Operations. ***International Journal of Current Microbiology and Applied Sciences***, Vol. 6(12): 3109- 3116.
9. Prem M., Verma N.K., Dabhi K.L. and Swarnkar R. (2017). A Critical study on crop harvesting machines. ***Multilogistic in Science***, Vol.7 (24):63-68.
10. Mandloi K., Swarnkar R., Yoganandi Y.C., Patel P. and Dabhi K.L. (2017). Development and evaluation of a multipurpose tool bar for mini tractor suitable for cropping pattern of middle Gujarat region. ***International Journal of Agricultural Engineering***. Vol. 10(2).
11. Mandloi K., Salunkhe R.C. and Ramchandani D. (2017). Performance and Emission Characteristics of C.I.engine for blends of Jatropha Oil and Diesel. Green Farming, ***International journal of agricultural & Horticulture Sciences*** Vol.8 (5).
12. Jogunuri S.K., Kumar N., Sayyad F.G, Pinakin V. and Patel V. (2017). Performance Evaluation of Multi-Purpose Mixed-Mode Cabinet Solar Food Processor (MCSFP). ***Curr Agri Res*** Vol. 5 (3).
13. Mehra V., Chinchorkar S.S. and Paradava D.M. (2017). Decadal trend analysis of weather parameters in Junagadh (saurashtra) region, Gujarat: A Case study. ***HortFlora Research Spectrum*** Vol. 6(4); 228-233.
14. Chinchorkar S.S., Suryavansi S.B., and Patel G.R. (2018). Assessment of Climate change in Aanand of Central Gujarat with reference to temperature fluctuation: A case study. ***HortFlora Research Spectrum*** Vol. 7(1); 11-18.
15. Khardiwar M., Dubey A.K., Chichorkar S.S. and Sayyad F.G. (2018). Study on Combustion

Behaviors of Briquette Fuel Produced From Crop Residues. ***HortFlora Research Spectrum*** Vol. 7 (1); 41- 46.

16. Ghodasara Y.R., Parmar R.S., Kamani G.J. and Kamani K.C. (2018). Performance Testing of Websites using J meter Testing Tool. ***IJCRT***, Vol. 6(1), 2320-2882.
17. Jogunuri S.K., Kumar R. and Kumar D. (2017). Sizing an Off-Grid Photo-Voltaic System: A Case Study. ***IEEE- International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS)***, 6, 334-338.

National journal

1. Shukla K. and Gupta P. (2017). Design and development of mini tractor operated wavy disc type PTO powered tillage implement. ***The Pharma Innovation Journal***; 6(11): 621-627.
2. Shukla K. and Gupta P. (2017). Performance evaluation of mini tractor operated wavy disc type PTO powered tillage implement. ***Journal of Pharmacognosy and Phytochemistry***. SP1: 240-245.
3. Gupta P. and Kadiwala M.M. (2017). Comparative Study of Different Soil Covering and Pressing Devices. ***Trends in Biosciences***, Vol. 10 (13): 2452-2455.
4. Gupta P., *Prajapti K.J. and Chavda J.J.* (2017). Design Parameters Optimization for Seed Drill's Pressing Device. ***Trends in Biosciences***, Vol. 10 (16): 2926-2929.
5. Herbha N., Vora H. and Kunapara A. (2017). Simulation of Crop Water Requirement and Irrigation Scheduling for Maize Crop Using FAO-CROPWAT 8.0 in Panchmahal Region of Middle Gujarat. ***Trends in Biosciences*** *10(46), Print: ISSN 0974-8431, 9387-9391, 2017.*
6. Chauhan A.D., Seth N., Vyas D.K. & Kumar N. (2017). A review of different drying techniques of freshly harvested maize cobs. ***International Journal of Agricultural Science and Research (IJASR)***, Vol. 7 (3), 173-180, ISSN (P): 2250-0057; ISSN (E): 2321-0087.
7. Jethva K.R., Vyas D.K., Sutar R.F., Kumar N. and Sayyad F.G. (2018). Bio-Fuels Algae: An Alternative Renewable Energy Source (A Review Paper). ***International Journal of Agricultural Science and Research***, 8(2): 101-108.
8. Kachhadiya S. and Jethva K. R. (2018). Physico-chemcial properties of Custard Apple. ***International Journal of Biochemistry Research & Review***, 20 (1): 1-13.

6.2 Research Papers Presented

International level

1. Jogunuri, S. K., Kumar, N., Sayyad, F. G., Pinakin, V., & Patel, V. (2017). Performance Evaluation of Multi-Purpose Mixed-Mode Cabinet Solar Food Processor (Mcsfp). Current Agriculture Research Journal, 5(3), 404-413 at Chennai.

National level

1. Gupta P., Verma N.K. and Pargi D. (2018). Development of push type battery powered reaper. Paper presented in 52nd Annual Convention of ISAE and National Symposium on Doubling Farmers Income through Technological Interventions held at Anand Agricultural University, Anand during January 08-10, 2018.
2. Bhimani J.B., Patel S.K., Yaduvanshi B.K. and Gupta P. (2018). Optimization of the design and operational parameters of planter for radish. Paper presented in 52nd Annual Convention of ISAE and National Symposium on Doubling Farmers Income through Technological Interventions held at Anand Agricultural University, Anand during January 08-10, 2018.
3. Tiwari M.K., Makwana J., Pampaniya N. (2018). Impact Assessment of Future Climate Change on Water Availability in the Semi-Arid Middle Region of Gujarat, India. Paper presented in 52nd Annual Convention of ISAE and National Symposium on Doubling Farmers Income through Technological Interventions held at Anand Agricultural University, Anand during January 08-10, 2018.

4. Tiwari M.K., Mehra V., Kulshreshta M.S. (2018). Monthly rainfall forecasting using extreme learning machines. Paper presented in 52nd Annual Convention of ISAE and National Symposium on Doubling Farmers Income through Technological Interventions held at Anand Agricultural University, Anand during January 08-10, 2018.
5. Kumar D., Tiwari M. K. (2018). Optimization modeling of conjunctive use of the irrigation water resources for agricultural sustainability. Paper presented in 52nd Annual Convention of ISAE and National Symposium on Doubling Farmers Income through Technological Interventions held at Anand Agricultural University, Anand during January 08-10, 2018.
6. Rajani N., Tiwari M. K., Chinchorkar S. S., Parmar S. (2018). Analysis of trend and periodicity of rainfall in middle Gujarat region using non parametric method and discrete wavelet transform. Paper presented in 52nd Annual Convention of ISAE and National Symposium on Doubling Farmers Income through Technological Interventions held at Anand Agricultural University, Anand during January 08-10, 2018.
7. Patel R., Patel D., Brahmbhatt M. and Tiwari M.K. (2018). Estimation of Crop Water Requirement of Different Crops in Panam Canal Command Area, Middle Gujarat Region. Paper presented in 52nd Annual Convention of ISAE and National Symposium on Doubling Farmers Income through Technological Interventions held at Anand Agricultural University, Anand during January 08-10, 2018.
8. Chinchorkar S.S., Subbaiah R., Kulshrestha M. and Vaidya V.B. (2018) Evolution of Weather Parameters (i.e Temperature and Rainfall) Trend analysis over Junagadh, (Surashtra Region) Gujarat (India). Paper presented in 52nd Annual Convention of ISAE and National Symposium on Doubling Farmers Income through Technological Interventions held at Anand Agricultural University, Anand during January 08-10, 2018.
9. Jethva K.R., Sagar Kachhadiya S. and Vaghasiya P. (2018). Effect of Various Chemicals and Packaging Materials on Shelf Life of Custard Apple. Paper presented in 52nd Annual Convention of ISAE and National Symposium on Doubling Farmers Income through Technological Interventions held at Anand Agricultural University, Anand during January 08-10, 2018.
10. Kumar D., Panchal K., Jethva K. R., Chauhan N. and Solanki M. (2018). To Study the Drying Characteristics of Banana Powder. Paper presented in 52nd Annual Convention of ISAE and National Symposium on Doubling Farmers Income through Technological Interventions held at Anand Agricultural University, Anand during January 08-10, 2018.
11. Salunkhe R. C., Patel C. D. and Patel U. P.(2018) Development and evaluation of electric motor operated maize dehusker. A paper presented in 52nd Annual Convention of ISAE and National Symposium on "Doubling Farmers' income." held at Anand Agricultural University, Anand during 8-10 January, 2018.
12. Dabhi K.L., Swarnkar R. and Godhani R.S. (2018) Development of low cost planting unit for conventional plough. A paper presented in 52nd Annual Convention of ISAE and National Symposium on "Doubling Farmers' income." held at Anand Agricultural University, Anand during 8-10 January, 2018.
13. Dabhi K.L., Swarnkar R. and Salunkhe R.C. (2018). Development and evaluation of multipurpose tool bar for mini tractor suitable for the cropping pattern of middle Gujarat region. A paper presented in 52nd Annual Convention of ISAE and National Symposium on "Doubling Farmers' income." held at Anand Agricultural University, Anand during 8-10 January, 2018.
14. Swarnkar R., Dabhi K.L. and Vora M.D. (2018). Development of a mini tractor drawn semi automatic two row planter cum fertilizer applicator. A paper presented in 52nd Annual Convention of ISAE and National Symposium on "Doubling Farmers' income." held at Anand Agricultural University, Anand

during 8-10 January, 2018.

15. Swarnkar R., Dabhi K.L, Mandloi K. and Salunkhe R.C. (2018). Development and evaluation of a low cost electric power operated maize sheller. A paper presented in 52nd Annual Convention of ISAE and National Symposium on "Doubling Farmers' income." held at Anand Agricultural University, Anand during 8-10 January, 2018.
16. Swarnkar R., Mandloi K. and Yoganandi Y.C. (2018).Adjustment of three hitch attachment of medium tractor drawn sowing machines to enhance its flexibility of use with mini tractor. A paper presented in 52nd Annual Convention of ISAE and National Symposium on "Doubling Farmers' income." held at Anand Agricultural University, Anand during 8-10 January, 2018.
17. Shakya H.B and Swarnkar R. (2018).Design and Development of cono-weeder for wetland paddy weeding. . A paper presented in 52nd Annual Convention of ISAE and National Symposium on Doubling Farmers income held at Anand Agricultural University, Anand during 8-10 January, 2018.
18. Kaushal G., Mitul P., Jogunuri S.K.(2018). Efficacy of solar hybrid dryers for reduction of Post-Harvest Losses, 52nd ISAE National Convention on Doubling Farmers Income Through Technological Interventions held at Anand Agricultural University, Anand during 8-10 January, 2018.

6.1 Popular Articles Published

1. જેઠવા કે. આર. અને ચાવડા જે. જે. (૨૦૧૭). સીતાફળની ખેતી અને તેનું મૂલ્યવર્ધન. કૃષિજીવન, અંક ૫, ૨૯-૩૦.
2. જે. જે. ચાવડા, આર. એસ. ગોધાણી અને ડી. કે. વ્યાસ (૨૦૧૭). વીજ બચતના ઉપાયો, કૃષિ ગોવિદ્યા, અંક ૨, ૪૫-૪૬.
3. જેઠવા કે. આર. અને ચાવડા જે. જે. (૨૦૧૭). કૃષિ ક્ષેત્રે હાઇ-ટેક પ્રોસેસિંગની જરૂરિયાત શા માટે?. કૃષિ જીવન, અંક: ૬, ૩૦-૩૧.
4. જેઠવા કે .આર. (૨૦૧૭ .(મકાઇની કાપણી બાદની પ્રક્રિયાઓ અને તેનું આયોજન. કૃષિ ગોવિદ્યા, અંક: ૬૯, ૪૦-૪૨.
5. ડાભી કે.એલ., સ્વર્ણકાર આર. અને સાળુંખે આર.સી. (૨૦૧૭). નાના અને સીમાંત ખેડૂતો માટે ઉપયોગી પાવર ઓપરેટેડ મેઇઝ સેલર, કૃષિ ગોવિદ્યા, નવેમ્બર ૨૦૧૭ :૧૬-૧૭.
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8. ડાભી કે.એલ.,ખેતીકામ માટે સારા મશીનોની લાક્ષણિકતાઓ, report published in Divya Bhaskar Newspaper on 13/11/2017.
9. ડાભી કે.એલ., ખેતીમાં યાંત્રીકીકરણની આવશ્યકતા ખેડૂતોને કેમ છે?, report published in Divya Bhaskar Newspaper on 20/11/2017
10. ગોધાણી આર એસ. ખેતી પાકોની કાપણી માટેના આધુનિક સાધનો, Delivered a radio talk on for Kisanvani programme of All India Radio, Godhra on 16/01/2018

11. ડાભી કે.એલ, ખેતીમાં યાંત્રીકીકરણ, radio talk delivered on Kisanvani programme of All India Radio, Godhra on 14/03/2018
12. Modi S. K. "Soil Health" radio talk delivered on Kisanvani programme of All India Radio, Godhra on 07/03/18.
13. ખ્યાતિ વ્યાસ, જમીનની તંદુરસ્તી જાળવવા માટેની માહિતી, radio talk delivered on Kisanvani programme of All India Radio, Godhra on 06/03/18.
14. ખ્યાતિ વ્યાસ અને અરવિંદ કુનપરા, પાણીનો સંગ્રહ અને જમણ કરવા માટેની વિવિધ પધ્ધતિઓ, કૃષિગોવિધા, વર્ષ અંક-૭૦; ૦૫ ; સપ્ટેબર-૨૦૧૭

6.6 Awards Received

1. Er. Kamlesh R. Jethva received '*Bharat Vikas Award*' along with '*Certificate of Excellence*' by *Institute of Self Reliance, Bhuneshwar (Odisha)* for outstanding contribution in the field of Post Harvest Management on the occasion of National Seminar on "*Diversity of Culture and Social Environment*" on 19th November, 2017 held at Bhuvneshwar, Odisha, India

2. Er. R. C. Salunkhe, Assistant Professor, Department of Farm Machinery and Power Engineering received University Best Teacher Award for faculty of Agricultural Engineering by AAU, Anand

6.7 Book Chapter- International

1. Sharma H. K. and Kumar N. (2017) Utilization of Carrot Pomace, Published in book entitled "Food Processing By-Products and their Utilization", Ed: Anil K. Anal, John Wiley & Sons, Ltd.

7. STUDENTS' WELFARE ACTIVITIES

The brief details about the students' amenities, Gymkhana, NSS and other co-curricular activities carried out during the year have been reported in this section.

Hostel Facilities

Separate well-equipped boys' and girls' hostels to accommodate U.G & P.G., Male and female students exist on the campus, which provides residential facilities to the students, under the control of the College of Agricultural Engineering and Technology. During the reporting period 184 (UG & PG) boys' students were staying in the Aruni Boys Hostels, and the newly constructed boys hostel named Dr. A.P.J. Abdul Kalam Hall of Residence (Dr. A.P.J.A.K Hostel) and girls students (UG & PG) were staying in the Aditi Girls hostel. Dr. A.P.J.A.K Hostel was provided with a gym too. Each hostel is having a T.V., Wi-fi internet access, Guest and Reading Room, R.O. Water Cooler, Solar Water Heating System and Mess facilities. Only few students whose residence is less that 5KM radius from the college were permitted to with their parents and can be enrolled as a day scholar as per university rules. During the reporting period Dr. Navneet Kumar acting as Rector of CAET Hostels and Er.Sravan kumar, Er.Arvind N. Kunapara & Er. Khyati Vyas were acting as Assistant Rectors for the hostels Dr. A.P.J.A.K Hostel, Aruni Boys Hostels & Aditi Girls Hostel respectively.

Dr.A.P.J.Abdul Kalam Hall of Residence

Aruni Boys Hostel

Aditi Girls Hostel

Landscapes Around Hostels

Mess Management

During the reporting period in all the hostels messes were run by the boarding students. Each hostel provided with all the required items like dinning furniture, kitchen vessels, R.O. Water Cooler, fridges, cooking gas connections, etc. for running the messes. For smooth running of mess and to provide nutritious and delicious food to the students, a weekly menu was prepared by the mutual understanding of students in the presence of college authority. Moreover, Principal, Rector and Assistant Rectors supervise the hostel for functioning of mess, quality of food and mess dues occasionally.

The brief details about the students' amenities, Gymkhana, NSS and co-curricular activities carried out during the year have been reported in this section.

Table 7.1 Staff Advisors of Students Representative Council

Sr. No.	Name	Designation	Activities
1.	Dr. R. Subbaiah	Principal	President
2.	Er. C. Jadav	Assistant Professor	Chairman
3.	Er. V. Mehra	Assistant Professor	Co-Chairman (SRC)
4.	Dr. M. K. Tiwari	Assistant Professor	Planning - Adventure activities
5.	Mrs. H. Tanna & Mr. H. Sharma	Assistant Professors	Cultural Events
6.	Mr. K. Dabhi	Assistant Professor	Literary activities
7.	Er. J. Sravankumar	Assistant Professor	College Magazine
8.	Er. A. Kunapara	Assistant Professor	Gymnasium
9.	Er. S. Chinchorkar	Assistant Professor	Outdoor games
10.	Er. Kapil Mandloi	Assistant Professor	College Events
11.	Mr. G. Kamani	Assistant Professor	Indoor games

Table 7.2 Student's representatives of Students Representative Council

Sr. No.	Name	Semester	Activities
1.	Mr. Patel Jayraj R.	7th	General Secretary
2.	Mr. Ramani Uttam	5th	Dy. General Secretary
3.	Mr. Kartik Jadav	5th	Outdoor Games
4.	Mr. Patel Savan & Ms. Shabadiya Himanshi	5th	Indoor Games
5.	Mr. Parmar Narayan & Ms. Bandhiya Nandu	7th	Literary Events
6.	Mr. Thesiya Sandeep & Ms. Renuka Rathod	5th	Cultural Events
7.	Mr. Koradiya Ashish & Ms. Urvashi Paramar	5th	College Magazine
8.	Mr. Rahul Patel	5th	Boys Representative
9.	Ms. Dodiya Shraddha	7th	Lady's Representative
10.	Mr. Parmar Yagnik	7th	Class Representative
11.	Mr. Bharavad Bahechar	5th	Class Representative
12.	Mr. Sorathiya Harshal	3rd	Class Representative
13.	Mr. Amit	1st	Class Representative

Physical Education Programme

University / Inter-University Athletic meet / Youth festival

(1) The students of the College had participated in the following inter collegiate sports / cultural events during the year.

- Volleyball
- Kabbdi
- Table Tennis
- Kho-Kho
- Cricket
- Essay/ Debate/ Elocution
- Chess
- Athletic
- Cultural Competitions
- Badminton

(2) During the reporting period the students of this college got success in different inter collegiate competitions and students of this college were selected in the respective sport / event to represent our university in the Inter University Sport Meet at State and National Level. The details of their achievements are given below-

Table 7.3 Student's Achievement during Academic Year 2017-18

Sr. No.	Name of student	Game	Achievement
1.	Mr. Jayaraj Patel	Cultural Event National, Tirupati	Won Gold Medal in Nationals
2.	Mr. Jayaraj Patel	Inter University Cultural Event, NAU, Navsari	Second prize in mono acting
3.	Mr. Jayaraj Patel	Inter collegiate Cultural Event, AAU, Anand	First prize in mono acting
4.	Mr. Kishan Jadav	Inter Collegiate Kho-Kho	University champions and 4 players got selected for inter-university team
5.	Mr. Kalpesh Bariya	Inter Collegiate Athletic	3 Gold Medals and 2 Silver Medals
6.	Mr. Kartik Jadav	Inter Collegiate Athletic	1 Gold medal
7.	Mr. Vishal Solanki	Inter Collegiate Athletic	1 Silver medal
8.	Mr. Rathod Jaydeep	Inter Collegiate Athletic	2 Bronze medals
9.	Mr. Narayan Parmar	Cultural Event National, Tirupati	Selected and participated for national level cultural event
10.	Mr. Mansoori Sameer	Inter Collegiate volleyball	Selected & participated for national level volleyball tournament

(3) CAET students also celebrated different occasions and festival at college level as per given below:

Table 7.4 Different Events Celebration during Academic Year 2017-18

Sr. No.	Event Celebration	Date
1	Guru Purnima	10th July 2017
2	Annual Day	31st July 2017
3	Teacher's Day	5th September 2017
4	Engineer's Day	15th September 2017
5	Ganesh Mahotsav	25thAugust-2nd Sept, 2017
6	Sharad Purnima	7th October 2017

7	Leadership and Entrepreneurship Programme	8th -10th November 2017
8	Fresher's Party	22nd November 2017
9	Farewell Party	7th April 2018

During the year, the following games for inter collegiate tournaments were organized by the college at university level on the following dates:

Table 7.5 Intercollegiate indoor and outdoor games during 2017-18

Sr. No.	Sports	Intercollegiate Events	
		College & Place	Date
1.	Cultural Program, Essay, Debate and Elocution	FPT & BE, Anand	29th September 2017
Boy's Intercollegiate Sports			
2.	Badminton	BACA, Anand	6th October 2017
3.	Volleyball	College of Agriculture, AAU, Vaso	3rd November 2017
4.	Basketball	Agri. Information Technology, Anand	6th November 2017
5.	Kabaddi	CAET, AAU, Godhra.	12th November 2017
6.	Kho-kho	BACA, AAU, Anand	14th November 2017
7.	Chess	IABM, AAU, Anand	3rd October 2017
	Table Tennis		
8.	Cricket	Horticulture College, AAU, Anand	3rd-8th February 2018
9.	Athletic	FPT & BE, AAU, Anand	22nd-23rd February 2018
Girl's Intercollegiate Sports			
1.	Badminton	BACA, AAU, Anand	6th October 2017
2.	Table Tennis	IABM, AAU, Anand	3rd October 2017
Participated in inter-college competition within university			
1.	Adroit	FPT & BE, AAU, Anand	26th September 2017

Sports Activities of Students Representative Council

1) Chess

An inter-collegiate Chess competition was held on 3rd October 2017at IABM, Anand. There were five students of CAET, Godhra performed their best in competition.

2) Table Tennis

An inter-collegiate Table-Tennis competition for boys and girls was held on October 2017 at IABM, Anand. Four boy students and four girls' students from CAET, Godhra participated and performed very well.

3) Badminton

An inter-collegiate Badminton competition for boys and girls was held on 6th October 2017 at BACA, Anand. Four students and four girls students of CAET Godhra participated and performed very well.

4) Volley ball competition

An inter-collegiate volley ball competition was held on 3rd November 2017 at College of Agriculture, AAU, Vaso. Team CAET performed their best. Mansuri Sameer was selected in university team of AAU and played from university team at Bengaluru.

5) Kho-Kho

An inter collegiate Kho-Kho competition was held on 14th November 2017 at BACA, AAU, Anand. CAET, Godhra Kho-Kho team performed their best. Team CAET achieved a position of winner team in tournament. Kishan Jadav, Katara Tushar, Bavishi Abhishek and Balas Nilesh were selected in University team.


6) Kabaddi

An inter collegiate Kabbadi competition was held on 12th November 2017 at CAET, AAU, Godhra. CAET, Godhra kabbadi team participated.Kishan Jadav, Bharavad Bahechar and Paresh Kachot were selected in University team.


7) Cricket

The CAET students participated in intercollegiate cricket tournament on 3rd-8th February 2018 at Horticulture College, Anand Agricultural University, Anand.

8) Athletics

The CAET students participated in intercollegiate Athletic tournament on 22nd–23rd February 2018, at FPT & BE, Anand Agricultural University, Anand. Team CAET performed best and achieved overall runner up in university. Kartik Jadav got gold medal and Rathod Jaydeep got bronze medal in high jump. Kalpesh Bariya got gold medal in 400 m, 800m and 4X100 relay running. Kalpesh Bariya got silver medal in 1500m and long jump. Solanki Vishal got silver medal in Disc Throw and Rathod Jaydeep gotsilver medal in long jump. Bariya Kalpesh, Ashish Koradiya, Ram Vinod, and Mayur Patel got gold medal in 4X100 relay.

Event Celebration by Students Representative Council

1) Gurupurnima

The day was organized by college on 10th July, 2017 at 4:00pm in CAET conference hall. Candle lighting was done by Dr. R. Subbaiah, Principal & Dean, CAET, all HODs, and Er. Chirag Jadav, SRC-chairman. All dignitaries were welcomed by Bouquets. In his speech, Principal shared the significant role of the teachers and students as their role models in certain times.

2) Ganesh Mahotsav

To seek the blessing of lord Ganesha ,Students , faculty & staff of College of Agricultural Engineering & technology, Godhara Celebrated Ganesh Mahotsav at Auditorium with Ganpati Sthapana on 25th August to 2nd September, 2017 (Ganesh Chaturthi). Sthapana was done by Principal in presence of all staff members and students in mooring. Pandit was there to help in Prayer. Candle light arati was done on the fourth day of the sthapana. "Chappan Bhog Pooja" was organized at last day. During Ganesh Mahotsav every evening students played Garba and enjoyed the festival in different way.

3) Teacher's Day

Teacher day in our college was calibrated on date 5thSeptember 2017. Student from our college participated in program. Students played role of different teacher from the college. Students experienced

the felling of teacher while teaching. Students showed their different teaching skills. Teacher (Role playing students) and other students were excited about the program. A final year student played the Role of Principal.

4) Sharad Poornima

The Garaba Night was organized by College of Agricultural Engineering & Technology on 7th October 2017 on the day of Sharad Poornima. On the occasion of "Garaba Night", all students of college participated in it, played garaba very well in different styles and with various traditional dressing.

5) Leadership and Entrepreneurship Program

Two days leadership and entrepreneurship program on 9th – 10th November 2017 has been organized by

SRC at College of Agricultural Engineering & Technology. In inaugural session, Dr.R.Subbaiah, Principal and Dean welcomed all experts Dr. Rambhai Patel, Dr. Ramanbhai Patel, Dr.I.R. Rathod and, Dr. Madhusudan Vaja. The brief introduction of all the guests were given. And hey explained the importance of this workshop.

6) Fresher Party

To welcome the new comers, fresher's party was organized on 22nd November' 2017. Dr. R.Subbaiah, Principal & Dean, faculty members, staff and students was present there to encourage the student. In speech, Principal told about past performance of students and comparing the freshers, facilities of college and hostel, praising previous batches and also hoped for maximum output from new comers. There were seven events including welcome drama, singing, mime, drama, group dance, cultural dance and funny dance. All participants performed awesome and were being appreciated.

7) Farewell Party

To say bye bye to the final year students, pre final year students organized farewell party on 7th April 2018. Dr. R. Subbaiah, Principal & Dean, faculty members, staff and students was present there to encourage the student. In speech, Principal told about past performance of students and comparing the freshers, facilities of college and hostel, praising previous batches and also hoped for maximum output from pass out graduates. There were different events including drama, singing, mime, drama, group dance, cultural dance and funny dance. All participants performed awesome and were being appreciated.

8) Engineer's Day

Engineer's day was celebrated at College on 15th September, 2017 as a remarkable tribute to the greatest Indian Engineer Bharat Ratna Sir Mokshagundam Visvesvaraya. "Role of Engineers in a developing India" was the theme of Engineers Day 2017 across India, and CAET being Agriculture Engineering College, the theme observed was "Role of Agricultural Engineers in Morden India" The celebrations started with the thought provoking message from Dr. R. Subbaiah, Principal& Dean of CAET, Godhra. Life of the person who was the reason of the day Sir Mokshagundam Visvevaraya, Engineers making

impossible possible, punctuality in time and work and goal setting are the highlights of his speech. Followed by different events like Elocution, Debate & Poster presentations were organized through student's representative council. Best performances of the day were awarded gifts by the principal at the end of the session.

9) Annual Day Function

AgETech-2017 was organized as 3rd Annual Day on the 31st July 2017 at college of Agricultural Engineering, Godhra. Event was presided by Dr. N. C. Patel, Hon'ble Vice-Chancellor, Anand Agricultural University, Anand. Dr. D.C. Joshi, Principal & Dean College of Food Processing Technology & Bio-Energy, Dr. K. P. Patel, Principal & Dean B.A. College of Agriculture, Dr. M. N. Brahmabhatt, Registrar, AAU and Dr. S. H. Akabari Director of Students Welfare, AAU, Anand also graced the occasion. After floral and verbal welcome of dignitaries, Dr. R. Subbaiah, Principal & Dean, CAET presented the journey of success during his tenure in CAET. Dr. D. C. Joshi showed his hearty feelings to the students as a former Dean of Faculty of Engineering, he shared the story of idea to develop an institute like CAET under roof of Vanbandhu Kalyaan Yojana and the day of stone lay down of the CAET.

After that, certificates, trophies and tracksuits were distributed to all the winners/participants of various games. Redemption of Annual Report for academic year 2016-17 of the college was done by Hona'ble Vice-Chancellor, Dr. N. C. Patel and all Dignitaries.

President of the evening Dr. N. C. Patel, Hon'ble Vice-chancellor, AAU, Anand shared their views on the development of the college step by step and day by day. He acknowledged Dr. R. Subbaiah for his tremendous effort in welfare of the college and academic and campus development of the institute. He had appreciated the students for achieving more than before.

The evening was made more colorful with cultural programs. The cultural program began with a classical dance by college student; every class gave their performances with grace and got a big round of applause which included street drama, group dance, mime and other wonderful performances.

Event Organized by National Service Scheme (NSS)

Different activities oriented towards service of the nation were carried out under the NSS at CAET, AAU, Godhra. Some of the events are elaborated in details followed by a list of total events conducted by the NSS unit of CAET, AAU, Godhra.

Sr. No.	Name of Activity / Event	Date
1.	International Yoga Day	21st June, 2017
2.	Tree Plantation	15th July 2017
3.	Blood Donation Camp	3rd August, 2017
4.	Independence Day	15th August, 2017
5.	Blood Donation Camp	6th December, 2017
6.	Voter's Day	25th January 2018
7.	Republic Day Celebration	26th January, 2018
8.	Special Camp of 7 Days	28th March, 2018 to 03rd April, 2018

Celebration of International Yoga Day

Faculty members, students and staff (technical/supporting) of College of Agricultural Engineering and Technology, AAU, Godhra celebrated Second International Day of Yoga with zeal and enthusiasm at early morning time of the 21st June, 2017. Different Yogasans were practiced during the programme.

Tree Plantation

Tree Plantation was celebrated on 15th July 2017 by planting trees at CAET college campus.

Blood Donation Camp

Blood donation camp organized by CAET, Godhra on 03/08/2017 and 06/12/2017.

Independence Day Celebration

Faculty members, students and staff (technical/supporting) of College of Agricultural Engineering and Technology, AAU, Godhra celebrated Independence Day on 15th august, 2017.

Voter's Day

Voter's day celebrated by CAET, Godhra on 25th January, 2018. All students are actively participated in this celebration.

Republic Day celebration

Republic day was celebrated at College of Agricultural Engineering and Technology, Godhra on 26th January 2018. The principal and dean, faculty members and students remained present in the programme. Dr. R Subbaiah, Principal & Dean conveyed his wishes on the occasion and addressed the gathering. The cultural activities were also performed during the occasion.

Other Activities organized at College

Apart from SRC and NSS, some other activities were also organized under Industry Institute Interaction Cell and SSIP Cell in the College during the year.

Industry Institute Interaction Cell

The Industry Institute Interaction Cell of the College of Agricultural Engineering and Technology Godhra organized an expert lecture and interactive session with Er. Paresh Parasana, Gujarat State Head, Irrilink Drip Irrigation Industries, Vadodara on 1/12/2017.


The Industry Institute Interaction Cell of the College of Agricultural Engineering and Technology Godhra organized an expert lecture and interactive session with Dr. Gajendra Singh, Emeritus Professor, Asian Institute of Technology, Thailand and Chairman, Science Committee of the Consortium, Appropriate Scale Mechanization Consortium for Sustainable Intensification, New Delhi on 27/01/2018.


The Industry Institute Interaction Cell of the College of Agricultural Engineering and Technology Godhra organized an expert lecture and interactive session with Dr. M. K. Jhala, Associate Director of Research, Anand Agricultural University, Anand on 08/03/2018. Dr. Jhala gave a brief presentation on "Life Skills: An Unviewed Horizon". The lecture is applicable for everyone, who would like to be most successful in career and look for a quality personal life.

Student Startup & Innovation Policy (SSIP) Cell

A Students' Sensitization Seminar on "Startup Opportunities in Food and Agriculture Business" was organized by the SSIP Cell, AAU, Anand and SSIP Cell, CAET, AAU, Godhra under the, "Student Startup & Innovation Policy" of Govt. of Gujarat on March 17, 2018 at College of Agricultural Engineering & Technology, AAU, Godhra. The programme was chaired by Dr. D.C. Joshi, Principal & Dean, College of Food Processing Technology & Bio Energy, Anand. Dr. R. Subbaiah, Principal & Dean, College of Agricultural Engineering & Technology, AAU, Godhra welcomed the dignitaries and gave brief background of the genesis of Student Startup and Innovation Policy implemented by Centre and State government. He also highlighted the importance of the startup program. Dr. D.C. Joshi motivated the students for entrepreneurship and asked them to think wildly for solving the problem in agriculture & allied fields and to conceptualize innovative ideas. He further created awareness about support provided by government through different programs for converting innovative ideas into startups. He also invited

students to visit Incubation Centre developed at the College of Food Processing Technology & Bio Energy, Anand. The other resource person, Dr. R.V. Vyas, Professor & Head, Department of Microbiology & SSIP Coordinator, AAU, Anand sensitized the students for innovations and creative ideas. He motivated the students to think out of box to have some innovative idea. The seminar was attended by about 110 students and staff of the College. The invited speakers sensitized, motivated and rejuvenated the students to generate and develop the innovative ideas into Startup opportunities prevailing in Food and Agriculture business.

8. TRAINING AND PLACEMENT

The details about the summer trainings given to the students by different public and private sector organizations as well as the placement of outgoing students through campus interviews are given in this section. Also, the details about the year wise graduates passed out and their placements since the inception of the college are given hereunder. Er. R. C. Salunkhe, Assistant Professor, Department of FMPE, CAET, Godhra worked as the In-charge, Training and Placement cell.

Table 8.1 Details of 4th / 6th Semester Students Deputed for One month Summer Training during the year 2017-18

Sr. No.	Name of Organizations offered Training	No. of Students	Period	Duration (days)
1	Northern Region Farm Machinery Training & Testing Institute, Sirsa Road, Hisar, Haryana	10	June 2017	26
2	Central Region Farm Machinery Training & Testing Institute, Tractor Nagar, Budni, M. P.	5	June 2017	26
3	North Eastern Region Farm Machinery Training & Testing Institute, Biswanath Charali, Sonitpur, Assam	3	June 2017	26
4	Central Institute of Agril. Engg., Nabi Bagh, Berasia Road, Bhopal	5	June 2017	30
5	M.I.T.R.A. Agro Equipment Pvt. Ltd., Nashik	5	June 2017	30
6	Tractors and Farm Equipment Limited, ProductTraining Centre (J Farm), Pudupakkam -603103, Kancheepuram District, Tamil Nadu	4	June 2017	30
7	ICAR- Indian Institute of Soil & Water Conservation Research Centre, Vasad	5	June 2017	30
8	Netafim Irrigation India Pvt. Ltd., Savali, Dist- Vadodara	6	June 2017	30
9	Jain Irrigation Systems Ltd, , Jalgaon	6	June 2017	30
10	Balson Polyplast Pvt. Ltd., Rajkot	4	June 2017	30
11	Nidhi Irrigation, Surat	1	June 2017	30
12	Gramin Vikas Trust, Dahod	2	June 2017	30
13	CIPHET, Ludhiana, Punjab	10	June 2017	30
14	Indian Institute Crop Processing Technology, Thanjavur, Tamil Nadu	11	June 2017	30
15	Patson Foods (India) Pvt. Ltd., Navsari	1	June 2017	30
16	Schmitten Chocolates, Rajhans Nutriments Pvt. Ltd., Surat	1	June 2017	30
17	Amul fed Dairy (Mother Dairy), Gandhinagar	2	June 2017	30
	Total	**81**		

Table 8.2 Details of 8th Semester Students deputed for In-Plant trainings during the year 2017-18

Sr. No.	Name of Organizations offered Training	No. of Students	Period	Duration (days)
1	John Deere India Pvt. Ltd, Ahmedabad	21	April-May, 2017	61
2	Captain Tractors Pvt. Ltd., Rajkot	7		
3	Mahindra and Mahindra Tractor, Ahmedabad	6		
4	Sonalika International Tractor, Ahmedabad	4		
5	TAFE Tractor, Ahmedabad	3		
6	Dharti Agro Engineering, Rajkot	4		
7	Gopal Snacks Pvt.Ltd., Rajkot	1		
8	Junagadh Dairy	3		
9	ADF Foods Ltd., GIDC Industrial Estate, Nadiad	1		
10	JJ PV Solar Pvt. Ltd., Veraval (Shapar), Rajkot	1		
	Total	**51**		

Table 8.3 Students Placement in 2016-17 (Under Graduate)

Sr. No.	Name of organization	Name of student
1	Jain Irrigation Systems Ltd, Jalgaon	1. Ankit K. Anand
		2. Chintan M. Ladani
		3. Ankit B. Moghariya
		4. Vikas B. Patel
		5. Ajay B. Sabhaya
		6. Vaibhav H. Satasiya
		7. Pinal N. Vaghasiya
		8. Viren J. Rathod
		9. Pankajkumar V. Dabhi
		10. Arvindkumar R. Patel
2	Captain Tractor Pvt. Ltd., Rajkot	1. Sudhir D. Kapadiya
		2. Manoj B. Dinani
		3. Chirag A. Panchal
3.	Netafim Irrigation India Pvt. Ltd., Savali, Dist: Vadodara	1. Gopal K. Chaudhari
		2. Dhaval J. Paghdar
		3. Umang P. Patel
		4. Nitin B. Solanki
4.	Signet Industries, Vadodara	1. Nikunj A.Kathiriya
		2. Arjun M. Vachhani
		3. Dilip K. Jotava
	Total	**20**

Table 8.4 Year wise B. Tech. (Agril. Engg.) Graduates Passed out & their Placement

Years	Total No. of Graduates	Jobs obtained in different sectors through placement cell					
		Gov. Services	Industry	Self-employed		Higher Edu.	Others (Specify)
				Farming	Business		
2011-12	27	-	13	-	-	14	-
2012-13	27	-	12	-	-	15	-
2013-14	25	-	14	-	-	11	-
2014-15	28	-	21	-	-	07	-
2015-16	34	-	16	1	-	14	3*
2016-17	51	-	20	-	-	10	21*
Total	**192**	**-**	**96**	**1**	**-**	**71**	**24**

** Preparing for competitive examinations/higher studies*

9. ADMITTED AND PASSED OUT STUDENTS

Table 9.1 List of Admitted Undergraduate Students during the year

Sr. No.	Registration No.	Name of Student
1	05-362-2017	Arvind Kumar Bharti
2	05-363-2017	Baman Kirankumar Punamchand
3	05-364-2017	Barad Mayurbhai Narasingbhai
4	05-365-2017	Baraiya Dineshkumar Manubhai
5	05-366-2017	Bhadarka Mayurkumar Mohanbhai
6	05-367-2017	Bhalala Dishant Rameshbhai
7	05-368-2017	Chauhan Niravkumar Vitthalbhai
8	05-369-2017	Dabhi Yogeshkumar Tapubhai
9	05-370-2017	Damor Bhavinkumar Lalji
10	05-371-2017	Dangar Chirag Meghjibhai
11	05-372-2017	Desai Jigar Rameshbhai
12	05-373-2017	Dobariya Pratik Rameshbhai
13	05-374-2017	Faldu Dhruvkumar Jaysukhbhai
14	05-375-2017	Jadav Utsavkumar Chandulal
15	05-376-2017	Jalu Yogeshkumar Sureshbhai
16	05-377-2017	Kanazariya Umeshkumar Bhartbhai
17	05-378-2017	Kandoriya Darshan Manubhai
18	05-379-2017	Kavad Bhavin Jashubhai
19	05-380-2017	Koli Vinesh Jagshibhai
20	05-381-2017	Kuldeep
21	05-382-2017	Makrani Rohan Intiajali
22	05-383-2017	Paghadar Amitkumar Chandubhai
23	05-384-2017	Panchal Vishal Bhikhabhai
24	05-385-2017	Parmar Anilkumar Chandubhai
25	05-386-2017	Parmar Harishchandra Hemubhai
26	05-387-2017	Patel Jatin Harshadbhai
27	05-388-2017	Patel Jigneshkumar Satishkumar
28	05-389-2017	Patel Mayankkumar Jayeshbhai
29	05-390-2017	Patel Nidhi Dilipbhai
30	05-391-2017	Radadiya Dhruvalkumar Ashwinbhai
31	05-392-2017	Satasiya Jenishbhai Ashvinbhai
32	05-393-2017	Senma Akashbhai Mukeshbhai
33	05-394-2017	Sindhal Ranjeet Ghelabhai
34	05-395-2017	Singh Navinsingh Satyendrasingh
35	05-396-2017	Solanki Vishalkumar Kanubhai
36	05-397-2017	Sonagara Vijay Goganbhai
37	05-398-2017	Sunil Dangi
38	05-399-2017	Ved Prakash Kumar

Diploma to Degree Students

Sr. No.	Reg. No.	Name of Student
1	D5-0358-2017	Deve Rushi Ashishbhai
2	D5-0359-2017	Thaker Brinda Ashvinbhai
3	D5-0360-2017	Vadher Divyaben Mulubhai
4	D5-0361-2017	Vagela Priyankaben Shankarbhai

Table 9.2 List of Passed out Undergraduate Students during the year

Sr. No.	Registration No.	Name of Student
1	05-0180-2013	Anand Ankitkumar Kamleshbhai
2	05-0181-2013	Baria Ajaysinh Nathusinh
3	05-0183-2013	Bhatt Rutvijkumar Manasukhbhai
4	05-0185-2013	Chaudhari Gopalkumar Kacharabhai
5	05-0186-2013	Chaudhari Hardikkumar Arvindbhai
6	05-0187-2013	Chaudhary Hardikkumar Ashokbhai
7	05-0188-2013	Chauhan Virendrasinh Jasavantsinh
8	05-0189-2013	Dinani Manoj Bhikhanbhai
9	05-0190-2013	Ghetiya Jemin Maheshbhai
10	05-0192-2013	Herbha Nilkanth Bhagabhai
11	05-0194-2013	Kapadiya Sudhir Dineshbhai
12	05-0196-2013	Ladani Chintankumar Mansukhbhai
13	05-0197-2013	Moghariya Ankitkumar Bharatbhai
14	05-0198-2013	Paghdar Dhavalkumar Jaysukhlal
15	05-0199-2013	Panchal Chiragkumar Aravindbhai
16	05-0200-2013	Panchal Jigarkumar Babubhai
17	05-0201-2013	Pargi Gaurangkumar Bachubhai
18	05-0202-2013	Patel Adarshkumar Shantilal
19	05-0203-2013	Patel Chirag Dineshbhai
20	05-0204-2013	Patel Sachinkumar Ishwarbhai
21	05-0205-2013	Patel Umangkumar Parshottamdas
22	05-0206-2013	Patel Vikaskumar Bharatbhai
23	05-0207-2013	Patel Vishalkumar Jayendrakumar
24	05-0208-2013	Prajapat Sanjaykumar Kalidas
25	05-0210-2013	Rank Prasang Harji
26	05-0211-2013	Raval Vipulkumar Jayantibhai
27	05-0212-2013	Sabhaya Ajay Bhikhubhai
28	05-0213-2013	Satasiya Vaibhavkumar Harsukhbhai
29	05-0214-2013	Solanki Ashishkumar Hasmukhbhai
30	05-0215-2013	Unjia Yashkumar Bipinbhai
31	05-0216-2013	Usdadiya Rahul Mahendrabhai
32	05-0217-2013	Vachhani Arjunkumar Mansukhlal
33	05-0218-2013	Vadhvana Urvin Rajendrabhai
34	05-0219-2013	Vaghamshi Nikunjkumar Dhirubhai
35	05-0220-2013	Vaghasiya Pinalkumar Narotambhai
36	05-0221-2013	Valand Pinakin Harshadbhai

37	05-0224-2013	Vora Hardikkumar Mansukhbhai
38	05-0154-2012	Jotava Dilip Karashanbhai
39	05-0156-2012	Kathiriya Nikunj Ashokbhai
40	05-0168-2012	Rathod Virenkumar Jinabhai
41	05-0170-2012	Ravish Kumar
42	05-0173-2012	Sutariya Kavita Vinubhai
43	D5-0225-2014	Bhabhor Rakeshbhai Vasnabhai
44	D5-0226-2014	Dabhi Pankajkumar Vikramsinh
45	D5-0227-2014	Parmar Ajaykumar Ramanbhai
46	D5-0228-2014	Parmar Ramsinh Ratansinh
47	D5-0229-2014	Patel Arvindkumar Ratansinh
48	D5-0230-2014	Sharma Amarkumar Vasantbhai
49	D5-0231-2014	Solanki Nitin Bhalabhai
50	D5-0232-2014	Vahora Zuberbhai Iqbalbhai
51	05-0128-2011	Vagadiya Pintubhai Manibhai

Table 9.3 List of Admitted Post Graduate Students during the year

Discipline	Sr. No.	Name of Student	Registration No.
M. Tech.			
Soil and Water Couservation Engg.	1	Bhaderi Harsh Maganbhai	04-3265-2017
	2	Bhargav Anurag Mangalbhai	04-3266-2017
	3	Bhuva Mukund Harsukhlal	04-3267-2017
	4	Deepa Sahu	04-3270-2017
	5	Ghetiya Jemin Maheshbhai	04-3271-2017
	6	Herbha Nilkanth Bhagabhai	04-3272-2017
	7	KasundraTrushalkumar Harsukhbhai	04-3274-2017
	8	Khadsaliya Ashishkumar Jagjivanbhai	04-3275-2017
	9	Ranjan kumar	04-3279-2017
Farm Machinery & Power Engg.	1	Bhabhor Mukeshkumar Shakrabhai	04-3264-2017
	2	Chauhan Virendrasinh Jasavantsinh	04-3268-2017
	3	Chavda Shaktisinh Kanjibhai	04-3269-2017
	4	Kothiya Amitkumar Vinodbhai	04-3276-2017
	5	Monpara Alpeshkumar Mansukhbhai	04-3277-2017
	6	Sidhartha Shankar baral	04-3282-2017
	7	Snehal vidyasagar shamkumar	04-3283-2017
Processing and Food Engg.	1	Popalia Chandani Jitendrabhai	04-3278-2017
	2	Sharma Amarkumar Vasantbhai	04-3280-2017
Renewable Energy Engg.	1	Kachot Pareshkumar Kalabhai	04-3273-2017
In Service- M. Tech.			
Farm Machinery & Power Engg.	1	Godhani Rajeshkumar Shivabhai	04-3338-2017
Processing and Food Engg.	1	Vinzuda Sudhirkumar Balubhai	04-3340-2017
Renewable Energy Engg.	1	Chavda Jagdishkumar Jamnadas	04-3337-2017

Ph.D.			
Soil and Water Conservation Engg.	1	Shraddha Ahirwar	04-3281-2017
In Service- Ph.D.			
Soil and Water Conservation Engg.	1	Ram Bhavin Devabhai	04-3339-2017
Processing and Food Engg.	1	Anadani Svatiben Vithalbhai	04-3336-2017

Table 9.4 List of Passed out Post Graduate Students during the year

Discipline	Sr. No.	Name of Student	Registration No.
M. Tech.			
Soil and Water Conservation Engg.	1	Deepak Kumar	04-2766-2015
Farm Machinery & Power Engg.	1	Manjeet Prem	04-2768-2015
Processing and Food Engg.	1	Chauhan Ajitsinh Dadusinh	04-2765-2015
	2	Khodifad Bhargavbhai Chitharbhai	04-2767-2015
Ph.D.			
Farm Machinery & Power Engg.	1	Er. Vora Mohammad Hanif Davalbhai	04-2075-2012

Table 9.5 List of Students Admitted in Vocational Course on Agriculturale Engineering during the year

Sr.No.	Name of Student
Module : 1	
01	Makwana Tusharkumar Mohanbhai
02	Rathod Mehulkumar Udaysinh
Module : 2	
01	Tadvi Sandipkumar Dhulabhai
02	Tadvi Suvarnaben Dhulabhai
03	Solanki Yuvrajsinh Mukendrasinh

Table 9.6 List of Student Passed out of Vocational Course on Agricultural Engineering during the year

Sr. No.	Name of Student
Module 1	
01	Parmar Mahendrasinh Bhikhabhai
02	Parmar Mitulkumar Chhaganbhai
03	Patel Dhavalkumar Hasmukhbhai
04	Patel Hardikkumar Naranbhai
05	Patel Jigneshkumar Shakarabhai
06	Patel MaheshKumar Budhesinh
07	Pateliya Miteshkumar Ramanlal
Module 2	
01	Patel Nirmala Naranbhai
02	Rathava Ankitaben Resingbhai
03	Sharma Dharatiben Kamleshbhai

Passed out Under Graduate Students

AAU

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