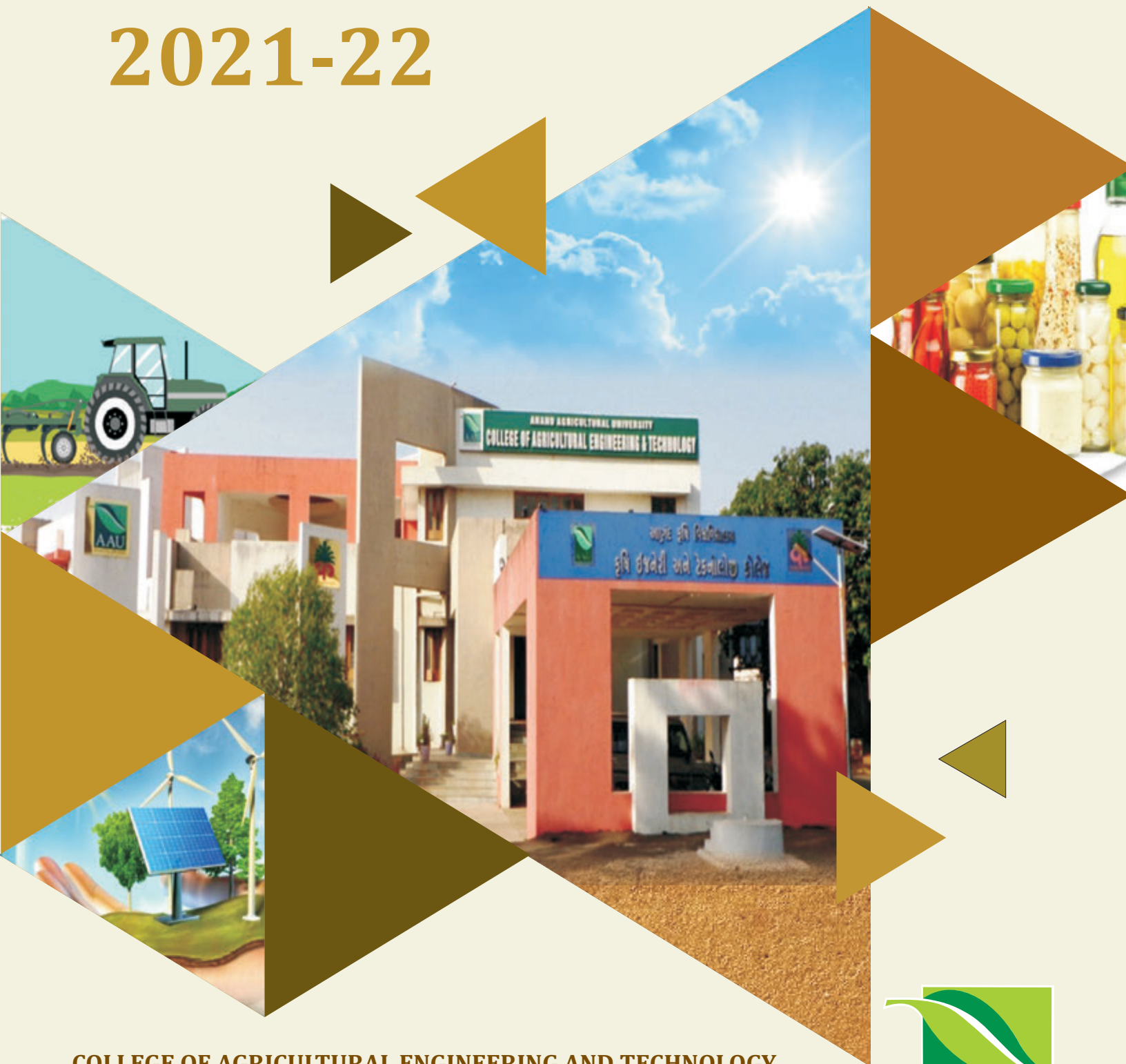


# ANNUAL PROGRESS REPORT 2021-22

Volume-12



**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-Business Management Institute
- College of Veterinary Sciences and Animal Husbandry, Anand

The accredited academic programmes are listed overleaf.

November, 2017  
New Delhi

(Narender 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

## 2021-22



### :: Editors ::

**Dr. Pankaj Gupta**

Professor & Head, F.M.P.E. Dept.

**Dr. Hardik Sharma**

Assistant Professor, B.E.A.S. Dept.

**Dr. Neeraj Seth**

Assistant Professor, P.F.E. Dept.

**Dr. Gautam J. Kamani**

Assistant Professor, B.E.A.S. Dept.

**Er. Khyati Vyas**

S.R.A., S.W.C.E. Dept.

**COLLEGE OF AGRICULTURAL ENGINEERING AND TECHNOLOGY**

**ANAND AGRICULTURAL UNIVERSITY**

**GODHRA- 389001**

**GUJARAT-INDIA**

# ANNUAL PROGRESS REPORT

## 2021-22

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**ANAND AGRICULTURAL UNIVERSITY**  
**ANAND - 388 110, GUJARAT**



**Dr. K. B. Kathiria**  
**Vice Chancellor**

## MESSAGE

Agriculture is playing an important and significant role in the development of Indian economy and agricultural engineering is a crucial component of it. Agricultural Engineering helps in overcoming challenges faced for increased crop production. Agricultural engineers focus in engineering skills and innovation that takes a strongly multidisciplinary approach to agricultural problems concerning power supplies, efficiency of machinery, use of structures and facilities, pollution and environmental issues and storage as well as processing of agricultural products. The core duty of Agricultural Engineering is to develop and apply appropriate technologies that will contribute to higher yields, higher income and lower input costs for agricultural and related industries in a sustainable manner as world is now moving towards industry 4.0.

College of Agricultural Engineering and Technology, Godhra under Anand Agricultural University, Anand is excelling each year. Students are doing well by getting their names in national level examination and participating in extra-curricular activities at state/national level as part of university team. this year two of the research recommendations have been approved by the AGRESCO committee for patenting. Apart from other activities, college has conducted a 10 days ICAR short term course and first alumni meet during the year.

I have strong belief that the college will work further to uphold the virtues of excellence to become a role model in delivering the solutions to many agricultural and allied problems through the interventions of Engineering to provide a dynamic learning experience and the opportunity for students.

I heartily appreciate the dean, HoDs, compilation team and all staff members of the College of agricultural Engineering and Technology, AAU, Godhra for bringing out their annual progress in form of a nice publication.

Place : Anand  
Date : 21/09/2022

  
(K. B. Kathiria)



**College of Agricultural Engineering & Technology**  
**Anand Agricultural University**  
**Godhra - 389 001, Gujarat**



**Dr. R. Subbaiah**  
**Principal and Dean**

Tel. : (O) +91-2672-265128

Email : dean.caet@aau.in

## MESSAGE

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 of the country. 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 the socio-economic status of the country has already been well recognized. I believe that it is feasible through new revolution 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 the system and commitment in research to provide new solutions to novel problems.

I also believe that, technocrats are the key to continued economic and technological advancement of our country. The college is creating a unique holistic educational ecosystem that offers interactive learning, a highly, flexible academic structure, cutting edge research, strong industry collaboration, and entrepreneurship. I am pleased to report that our dedicated approach to teaching and learning is seeing real benefits for our students. We create a safe social and physical environment that helps all our students learn and succeed.

College have an extensive package of extra-curricular activities to help enrich student's academic and social experiences, taking learning beyond the classroom. The academic wing of college possess state-of-the-art classrooms with the latest audio-visual systems, acoustically engineered and equipped with gooseneck mikes and lapel mikes, ultra-modern seminar hall, faculty rooms, ergonomically designed lecture rooms with projector, conference halls, IT lab, and well stocked and fully functional library containing various international online journals, magazines and other e-resources.

College considers itself as privileged to reach out to the society besides engineering education and research of societal relevance for educating and inspiring the young and under-privileged of the stake holders like farmers, extension workers, NGO's in the country, through its outreach programmes. Students are doing well by getting their names in national level examinations and participating in extra-curricular activities at state/national level as part of University team. Transfer of successful technologies to stake holders is being addressed through demonstrations, exhibitions, publications, training and licensing technologies. Popularization of machines developed at the college to various stake holders and extension agencies.

This Institute alongwith its all the activities has carried out well with the full participation and support of all stakeholders, faculty members, students and staff; agencies and industries sponsoring R&D and consultancy projects; professionals from other organizations and our alumni. The Institute is grateful to Govt. of Gujarat and ICAR for their continued and sustained encouragement and support. There is still a lot of work to be done and I would like to assure that we shall only march forward, year to year.

I express my sincere thanks to Dr. K.B. Kathiria Hon'ble Vice Chancellor, Anand Agricultural University for his valuable guidance, inputs and involved support.

I would like to thank all staff members technical & non-technical of the college for help, co-operation and smooth functioning of the Institute. The publication committee deserves applaud and appreciation for their untiring efforts in compilation and editing the Annual Report, and its timely publication. I hope that our Annual Report will be immensely useful for stake holders i.e. policy makers, researchers, development functionaries and the farmers.

Place : Godhra  
 Date : 23/09/2022

  
**(Principal & Dean)**

# C O N T E N T S

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## University Song

हो संस्कृति कृषि वत्सलम्, कल्याण कीर्ति मंगलम्  
कृषावन्तो राष्ट्रं कृषिसंपन्नम् कृषावन्तो राष्ट्रं कृषिसंपन्नम्  
कृषावन्तो राष्ट्रं कृषिसंपन्नम्

सरदार गाथा गुर्जरी, याद अमूल यरोतरी,  
क्षीर संस्कृति महीसागरी, आतिथ्य आदर से लरी,  
कृषावन्तो राष्ट्रं कृषिसंपन्नम्

डाक़ोर श्रीठाक़ोर डा, कायावरोहण कलिका,  
वडताल लाल गुलाल, सून करताल धून नारायणी,  
कृषावन्तो राष्ट्रं कृषिसंपन्नम्

संतराम ओडाणा श्रीमद्, हरि भारगी जेवन लगत,  
दिल के दिये जलते किये, गुंज गीरा रविशंकरि,  
कृषावन्तो राष्ट्रं कृषिसंपन्नम्

सरदार रास अडासमें, आपु यले थे साथ में,  
विधानगर आणंद में, विज्ञान ज्ञान गंगोतरी,  
कृषावन्तो राष्ट्रं कृषिसंपन्नम्

- डॉ. आलकृष्ण जेधी



## 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 the tribal area of middle Gujarat at Godhra. The College campus is situated on the outskirts of Godhra- the district headquarters of Panchmahals on the Godhra-Dahod national highway. It is 5 km away from the 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, staff quarters etc. The campus environment is ideal and conducive to learning. Godhra is well connected by rail services as well as 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 a very comfortable and easily accessible place.



The College of Agricultural Engineering & Technology was established by the Government of Gujarat under Vanbandhu Kalyan Yojana in the tribal area at Godhra on 9<sup>th</sup> May 2008. Presently the college has six departments namely Soil & Water Conservation Engineering (SWCE), Farm Machinery & Power Engineering (FMPE), Process & Food Engineering (PFE), and 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 a 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.), M.Tech. (Agril. Engg.) and Ph.D. (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 requirements for agricultural engineering interventions. Outsourced 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, training, Krishi Mela, Krishi Mahotsav 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 for UG & PG students, quality seed production and advanced research purposes. The main objective of this college is to produce/provide good quality agricultural engineering experts/manpower 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 a 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 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 for 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.

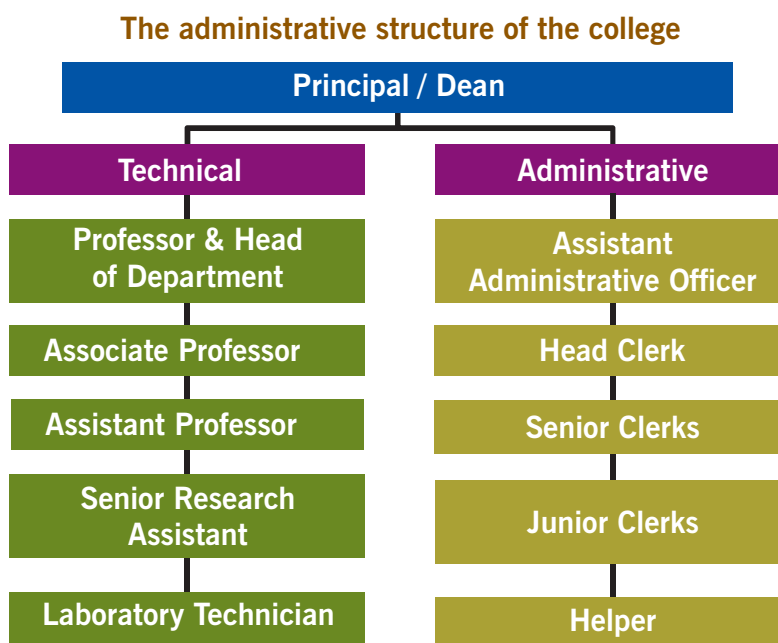
### Vision

- 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 the 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 POSITION AND FUND UTILIZATION

The staff positions of the College during the year 2021-22 and budget head-wise grant allocation and it's utilization are given below:

### STAFF POSITIONS



**Table 2.1 Overall Staff Position (BH-12975)**

Name of the post		Sanctioned	Filled	Vacant
<b>Teaching Staff</b>				
Principal		1	1	0
Professor		2	2*	0
Associate Professor		3	3	0
Assistant Professor	BH-12975	15	11	4
	BH-12987-01	1	1	0
	BH-12993-10	1	1 <sup>\$</sup>	0
	BH-12993-11	1	1 <sup>\$</sup>	0
<b>Non-teaching Staff</b>				
Sr. Research Assistant		6	6	0
Lab Technician		3	3	0
Mechanic		1	1	0
Forman Instructor		1	1	0
Hostel Asst. Warden		1	1	0
Administrative Staff		9	2	7
Other Supportive Staff		1	0	1
<b>Total</b>		<b>46</b>	<b>34</b>	<b>12</b>

\*One Professor is working on a pool basis at BACA, Anand and one junior clerk is working on a pool basis at MMRS, Godhra, <sup>\$</sup> The post is filled by internal arrangement from 12975

**Table 2.2 List of College staff as on 31/03/2022**

Name of Department	Teaching Staff			Non-Teaching Staff
	Professor	Associate Professor	Assistant Professor	
Administration Staff	Dr. R. Subbaiah (Principal & Dean)	-	-	Mr. L. K. Vassaiya <sup>+</sup>
				Mrs. Trupti Damor
				Mr. Shailesh Patel
				Mr. Jigar Agravat <sup>+</sup>
				Mr. Ankur Kapadiya
				Mr. Anil Bamaniya
Soil & Water Cons. Engg.	Dr. M.L. Gaur*	-	Dr. Mukesh K. Tiwari**	Er. Khyati Vyas
				Er. Rajesh Godhani
			Er. Arvind Kunapara	Mr. Vijay Patel <sup>+</sup>
Farm Machinery & Power Engg.	Dr. Pankaj Gupta #	-	Dr. R.C. Salunkhe	Mr. Nirav Solanki
	Dr. R. Swarnakar	-	Dr. K.L. Dabhi	
Processing & Food Engg.	-	Dr. Navneet Kumar	Dr. Neeraj Seth	Er. Yagnik Yoganandi
			Dr. K. R. Jethava	
Renewable Energy Engg.	-	Dr. D.K. Vyas	Er. Sravan Kumar	Er. Jagdish Chavada
Irrigation & Drainage Engg.	-	-		Er. S. J. Pargi
				Er. S. Suryavanshi
Basic Engg. & Applied Sciences	-	-	Er. Kapil Mandloi	Mr. Nilesh Prajapati
			Dr. B. A. Amin	
			Mrs. Hetal Tanna	Mr. Nilesh Patel
			Mr. Hardik Sharma	
			Mrs. Shefali Modi	
			Er. Chirag Jadav	Mr. Rinkesh Talpada <sup>+</sup>
			Dr. Gautam Kamani@	
Hostel	-	-	-	Mrs. Reshma Bhabhor

\*Dr. M. L. Gaur, Professor, SWCE is working at BACA, AAU, Anand, #Professor through CAS, <sup>+</sup> working on a pool basis at CAET, Godhra. \*\* Working in IDE Dept.

@ comes for 3 days a week only

**Table 2.3 Department-wise Faculty Positions**

Departments	Sanctioned Positions			Filled Positions		
	Professor	Associate Professor	Assistant Professor	Professor	Associate Professor	Assistant Professor
Soil & Water Conservation Engg.	1	-	1	1*	-	1+1**
Farm Machinery & Power Engg.	1	1	3	1	1##	2



Processing and Food Engg.	0	1	1	0	1	1
Renewable Energy Engg.	0	1	1	0	1	1
Irrigation & Drainage Engg.	-	-	-	-	-	-
Basic Engg. & Applied Sciences	-	-	9	-	-	6
Other Budget head	-	-	3	-	-	3 <sup>#</sup>
<b>Total</b>	<b>2</b>	<b>3</b>	<b>18</b>	<b>2</b>	<b>3</b>	<b>14</b>

Working on a pool basis at- \* BACA, Anand, \*\*IDE Dept., <sup>#</sup>one at BEAS Dept. & one at PFE Dept & one at SWCE Dept. <sup>##</sup>Professor through CAS

**Table 2.4 Faculty Credentials<sup>##</sup>**

Departments	Ph. D.		M. Tech./M.E.		M.Sc./M.Phil.	
	No.	%	No.	%	No.	%
Soil & Water Conservation Engg.	1+1*	66.67	1	33.33	-	-
Farm Machinery & Power Engg.	4	100	-	-	-	-
Processing and Food Engg.	3	100	-	-	-	-
Renewable Energy Engg.	1	50	1	50	-	-
Irrigation & Drainage Engg.	-	-	-	-	-	-
Basic Engg. & Applied Sciences	3	42.86	2	28.57	2	28.57
<b>Total</b>	<b>13</b>	<b>68.42</b>	<b>4</b>	<b>21.05</b>	<b>2</b>	<b>10.53</b>

<sup>##</sup> Staff in different Depts. after pooling at CAET, Godhra \* Working on a pool basis at BACA Anand

**Table 2.5 Faculty Composition (No. and % of total)<sup>##</sup>**

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*	100	-	-	-	-	1	50	1	50
Farm Machinery & Power Engg.	-	-	1	100	-	-	1 <sup>#</sup>	100	1	50	1	50
Processing & Food Engg.	-	-	-	-	-	-	1	100	1	50	1	50
Renewable Energy Engg.	-	-	-	-	1	100	-	-	-	-	1	100
Irrigation & Drainage Engg.	-	-	-	-	-	-	-	-	-	-	-	-
Basic Engg. & Applied Sciences	-	-	-	-	-	-	-	-	6	85.71	1	14.29
<b>Total</b>	-	-	<b>2</b>	<b>100</b>	<b>1</b>	<b>33.33</b>	<b>2</b>	<b>66.67</b>	<b>9</b>	<b>64.29</b>	<b>5</b>	<b>35.71</b>

<sup>##</sup> Staff in different Depts. after pooling at CAET, Godhra, \* Working on a pool basis at BACA Anand,

<sup>#</sup>Professor through CAS

**Table 2.6 Location of Highest Degree Received by the Faculty**

Cadre	Highest degree from the same university	Highest degree from other universities within the state	Highest degree from outside the state universities	Highest degree from a foreign country
Professor	-	-	2	-
Associate Professor	1	-	2	-
Assistant Professor	3	7	4	-
<b>Total</b>	<b>4</b>	<b>7</b>	<b>8</b>	<b>-</b>
<b>%</b>	<b>21.05</b>	<b>36.84</b>	<b>42.11</b>	<b>-</b>

**BUDGETARY OUTLAYS****Table 2.7 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	-	1.13	-	-	1.13
Plan (State)	430.67	118.75	12.31	-	561.73
Internal Resources	-	-	-	-	-
ICAR	-	20.68	15.79	-	36.47
Others	-	2.43	126.00	-	128.43
<b>Total</b>	<b>430.67</b>	<b>142.99</b>	<b>154.1</b>	<b>-</b>	<b>727.76</b>
Expenditure Incurred (Rs. in lakhs)					
Particulars	Pay & Allowances	Recurring Contingency	Non-Recurring	Works	Total
Non-plan	-	1.12	-	-	1.12
Plan (State)	429.58	117.89	12.2	-	559.67
Internal Resources	-	-	-	-	-
ICAR	-	19.42	5.43	-	24.85
Others	-	2.31	123.6	-	125.91
<b>Total</b>	<b>429.58</b>	<b>140.74</b>	<b>141.23</b>	<b>-</b>	<b>711.55</b>

**Table 2.8 Internal Resources Generated during the year**

Sr. No.	Particulars	Rs. (lakhs)
1	Farm including dairy, poultry, etc	0.86
2	Students fees	25.14
3	Consultancy	-
4	Hiring out college facilities	0.06
5	Funds raised by Alumni Groups	-
6	Other (specify)	0.21
	<b>Total</b>	<b>26.27</b>

**Table 2.9 Plan Budget Allocations under Different Sub-heads**

Sub-Head	Rs. (lakhs)	Percent
Establishment (pay & allowances)	429.32	76.43
TA	1.35	0.24
Recurring contingency	118.75	21.14
Works	-	-
Maintenance	-	-
Others (Non-Recurring)	12.31	2.19
<b>Total</b>	<b>561.73</b>	<b>100</b>

**Table 2.10 Annual budgets for Education, Research and Extension Education***All figures in Rs. (lakhs)*

Budget	Resident Instruction		Research		Extension	
	Allocated	Expenditure	Allocated	Expenditure	Allocated	Expenditure
Non-plan	1.13	1.12	-	-	-	-
Plan	550.73	548.70	11.00	10.97	-	-
ICAR	36.47	24.85	-	-	-	-
Others	128.43	125.91	-	-	-	-
<b>Total</b>	<b>716.76</b>	<b>700.58</b>	<b>11.00</b>	<b>10.97</b>	-	-

**Table 2.11 Summary of Grant Allocation and Utilization***All figures in Rs.*

	Pay & Allow	Recurring	Non-Recurring	Total
Sanctioned	43067000	14298075	15409848	<b>72774923</b>
Utilized	42957537	14072865	14122902	<b>71153304</b>

**Table 2.12 Details of the different budgets of college**

Sr. No.	Budget Head	Budget Head Details
<b>Plan</b>		
1	12865	Upgrading of the student facilities at different colleges of AAU
2	12967	Modernizing the student facilities at different colleges of AAU
3	12967-02	The schemes for strengthening of the office of the Directorate of Students Welfare, Counselling and Placement Cell at AAU
4	12975	Strengthening of College of Agricultural Engineering and Technology
5	12993-10	Advanced centre for research and trainers training on agricultural engineering based interventions
6	12993-11	Developing a watershed based conclave for experimental learning at, Kankanpur
7	12987-01	Vocational courses on agricultural engineering and technology
8	12975-00S	Strengthening of College of Agricultural Engineering and Technology
<b>Non Plan</b>		
9	4500	Vice Chancellor office & Registrar section
10	4862	Inter College/University Sports & Quiz Tournament
11	4862-B	Planning Of Sports Game, Maintenance of ground and Students DA etc.

ICAR		
12	9599-12	Repair renovation and modernization of existing Aruni boys hostel & boys hostel reading room
13	9599-41	“Renovation of processing plant laboratory at CAET, Godhra”
14	9599-43	“Automatic Protein Digestion and distillation system”
15	9599-44	“A set Of Soil Moisture Sensors”
16	9599-26	False ceiling work in electrical machines and applied electronics and instrumentation laboratory of CAET at AAU, Godhra
17	9599-27	Modernization of CAD / CAM laboratory of CAET at AAU, Godhra
18	12987-13	Merit scholarship for Economically poor Undergraduate Student at “AAU”
19	18311-07	“ICAR-PG Scholarship (JUNIOR RESEARCH FELLOWSHIP)”
20	15657	Rural Entrepreneurship (READY)
21	15658	National Talent Scholarship (NTS)
22	15659	National Talent Scholarship (NTS)
23	12703	Scheme for the award of GAU fellowship for PG studies in various faculties
24	12930	Rural entrepreneurship awareness
25	12967-01	Scheme for fellowship for UG Students of various faculties
Other Agency		
26	18273	National Service Scheme at Anand
27	18559-03	Development of Renewable Energy facilities by energy harvesting Through solar
28	18559-03RP	and biomass energy at college of CAET, AAU, Godhra





Table 2.1.3 Grant Allocation and Utilization (Budget Head wise)

All figures in Rs.

Sr. No.	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
Plan									
1	12865	449000	100000	-	549000	438173	99750	-	537923
2	12967	-	90000	-	90000	-	89973	-	89973
3	12967-02	-	85000	-	85000	-	85000	-	85000
4	12975	40573000	9500000	505000	50578000	40476506	9423334	500348	50400188
5	12987-01	1745000	200000	-	1945000	1743731	193971	-	1937702
6	12993-10	300000	800000	335000	1435000	299127	800000	335000	1434127
7	12993-11	-	1100000	-	1100000	-	1096582	-	1096582
8	12975-00S	-	-	391000	391000	-	-	384500	384500
Non-plan									
9	4862	-	10000	-	10000	-	9971	-	9971
10	4862-B	-	32500	-	32500	-	32195	-	32195
11	4500	-	70000	-	70000	-	69689	-	69689
ICAR									
12	9599-12	-	-	32221	32221	-	-	32218	32218
13	12703	-	10000	-	10000	-	10000	-	10000
14	12930	-	155000	-	155000	-	133500	-	133500
15	9599-26	-	-	450000	450000	-	-	-	-
16	9599-27	-	1455	59997	61452	-	1455	59997	61452
17	9599-41	-	-	483767	483767	-	-	-	-
18	9599-43	-	-	352863	352863	-	-	352863	352863
19	9599-44	-	-	200000	200000	-	-	97940	97940
20	12967-01	-	24500	-	24500	-	24500	-	24500
21	12987-13	-	30500	-	30500	-	30500	-	30500
22	18311-07	-	206862	-	206862	-	206862	-	206862
23	15657	-	772500	-	772500	-	667500	-	667500
24	15658	-	710100	-	710100	-	710100	-	710100
25	15659	-	157158	-	157158	-	157158	-	157158
Other Agency									
26	18273	-	42500	-	42500	-	31325	-	31325
27	18559-03RP	-	-	3800000	3800000	-	-	3755323	3755323
28	18559-03	-	200000	8800000	9000000	-	199500	8604713	8804213
	<b>Total</b>	<b>43067000</b>	<b>14298075</b>	<b>15409848</b>	<b>72774923</b>	<b>42957537</b>	<b>14072865</b>	<b>14122902</b>	<b>71153304</b>
									<b>97.77</b>

### 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 2021-22 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	55*	2008
2	Post Graduate Programme					
	i) M. Tech.	1	Soil and Water Conservation Engineering	2 years for full-time and 3 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
		5	Irrigation and Drainage Engineering			2017
	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
		5	Irrigation and Drainage Engineering			2017
3	Vocational Course on Agricultural Engineering and Technology (Certification Course)					
	Vocational Course on Agricultural Engineering & Technology			6 Month	30	2012

\* Including 5 seats of EWS

**Table 3.2 Intake Capacity & Admitted Students in the Various Courses Offered**

Degree offered	Intake	Admitted
<b>Under Graduate Programmes</b>		
B. Tech. (Agril. Engg.)	55*+ 5 (D to D)	26+ 5 (D to D)
<b>Post Graduate Programmes - M. Tech. (Agril. Engg.)</b>		
Farm Machinery and Power Engineering	07	01
Soil and Water Conservation Engineering	04	00
Processing and Food Engineering	04	02
Renewable Energy Engineering	01	00
Irrigation and Drainage Engineering	00	00
<b>Post Graduate Programmes - Ph.D. (Agril. Engg.)</b>		
Farm Machinery and Power Engineering	01	00 + 01**
Soil and Water Conservation Engineering	00	00 + 00
Processing and Food Engineering	02	00 + 00
Renewable Energy Engineering	00	00 + 01**
Irrigation and Drainage Engineering	00	00 + 00

\* Including 5 seats of EWS \*\* In-service

**Table 3.3 Student's Domicile & Category-wise Distribution of New Admissions**

Degree	Gender	Domicile						Reservation Category						
		Rural- Gujarat	Urban-Gujarat	Rural- Other State	Urban- Other State	Foreign	Total	General	SEBC	SC	ST	EWS	ICAR	Total
B. Tech.	Male	14 + 4*	4	3	1	-	22 + 4*	4+2*	7	1*	4	3+1*	4	22+4*
	Female	3+1*	1	-	-	-	4 + 1*	-	1+1*	-	2	1	0	4+1*
	Total	17+5*	5	3	1	-	26 + 5*	4+2*	8+1*	1*	6	4+1*	4	26+5*
M. Tech.	Male	-	1	1	-	-	2	-	-	1	-	-	1	2
	Female	-	-	-	1	-	1	-	-	-	-	-	1	1
	Total	-	1	1	1	-	3	-	-	-	-	-	2	3
Ph.D.	Male	1*	1*	-	-	-	2**	1**	1**	-	-	-	-	2**
	Female	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total	1*	1*	-	-	-	2**	1**	1**	-	-	-	-	2**

\* Including students of D to D \*\* In-service

**Table 3.4 Year Wise Passed Out UG and PG Students (Last 5 years)**

Year <sup>#</sup>			2017 - 18	2018- 19	2019- 20	2020- 21	2021- 22	Total
No. of Under Graduates Passed		B.Tech.	51	42	39	31	42	205
No. of Post Graduates Passed	Farm Machinery and Power Engineering	M.Tech.	1	4+1*	7	0+1*	2	14+02*
		Ph.D.	01*	02*	-	-	-	03*
	Soil and Water Conservation Engineering	M.Tech.	1	5	8	3	3	20
		Ph.D.	-	-	-	-	01*	01*
	Irrigation and Drainage Engineering	M.Tech.	-	-	-	1	-	1
		Ph.D.	-	-	-	0	-	0
	Processing & Food Engineering	M.Tech.	2	2	2+1*	1+1*	1	08+2*
		Ph.D.	-	-	-	-	03*	03*
	Renewable Energy Engineering	M.Tech.	-	-	1	00+01*	-	01+1*
		Ph.D.	-	-	-	-	-	0
	Total	M.Tech.	4+1*	11+01*	18+01*	5+3*	6	44+05*
		Ph.D.	01*	02*	-	-	04*	07*

<sup>#</sup>Data up to March 31<sup>st</sup> of each year \* Shows the number of in-service students.

**Table 3.5 Student's Category-wise Strength of UG for the Ac. Year 2021-22**

Semester	Category	First Year		Second Year*		Third Year		Fourth Year		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
Odd	General	4	0	4	1	1	1	12	5	31	8
	EWS	5	1	6	1	9	0	NA	NA	16	1
	SEBC	9	1	14	3	17	3	16	2	65	10
	SC	0	0	4	0	3	1	2	1	12	2
	ST	4	2	1	1	2	1	4	1	9	4
	Total	22	4	29	6	32	6	34	9	133	25
Even	General	3	0	3	1	1	1	12	5	32	7
	EWS	4	1	5	1	9	0	NA	NA	14	1
	SEBC	8	1	11	3	17	3	16	2	64	9
	SC	0	0	4	0	3	1	2	1	11	2
	ST	1	2	1	1	2	1	4	1	9	4
	Total	16	4	24	6	32	6	34	9	130	23



**Table 3.6 Discipline-wise strength of the M.Tech. Students for the Ac. Year 2021-22**

Sr. No.	Specialization	No. of Students Registered	
		Regular	In-service
1	Soil and Water Conservation Engineering	02	1
2	Farm Machinery and Power Engineering	03	0
3	Processing and Food Engineering	05	0
4	Renewable Energy Engineering	00	0
5	Irrigation and Drainage Engineering	00	0
Total		10	1

**Table 3.7 Discipline-wise Strength of Ph.D. Students for the Ac. Year 2021-22**

Sr. No.	Specialization	No. of Students Registered	
		Regular	In-service
1	Soil and Water Conservation Engineering	5	0
2	Farm Machinery and Power Engineering	4	4
3	Processing and Food Engineering	1	1
4	Irrigation and Drainage Engineering	2	1
5	Renewable Energy Engineering	0	1
Total		12	07

**Table 3.8 Student Retention Data for the Ac. Year 2021-22**

Programs	Students admitted				Dropped <sup>@</sup>				Appeared in the final examination				Percentage Passed			
	M		F		M		F		M		F		M		F	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
UG	22+4*	83.87	4+1	16.13	3+1*	100	00	00	39	92.86	03	7.14	39	92.86	03	7.14
PG	02 +2**	80	1	20	00	00	00	00	05 +3**	80.00	1+1*	20.00	05 +3**	80.00	1+1*	20.00

\* D to D, \*\* In Service, <sup>@</sup>Includes students of all semesters, M = Male, F = Female

**Table 3.9 Details of Scholarship/ Financial Assistance to Under Graduate Students**

Sr. No.	Types of Scholarship/ Financial Aids	Number of Recipients	Amount (Rs)	Remarks
1	National Talent Scholarship	15	540000	UG-fresh and Renewal scholarship
2	University Scholarship	06	22500	For general category scholarship
3	SEBC Scholarship	15	-	BCK-79 Food bill(yet not received)
		02	8000	BCK-78 post S.S.C scholarship for girls
		-	-	Instrument aid(Not applied)
		49	441000	BCK-81 A Post metric scholarship for OBC students

4	SC Scholarship	01	-	BCK-10 Food bill(yet not received)
		-	-	BCK-12 Instrument aid(Not applied)
		07	91000	BCK-6.1 Scholarship
5	ST Scholarship	05	68400	Umbrella scheme for scholarship
		02	29400	VKY-156 for girls having an annual income >2.5
		01	-	VKY-157 Food bill(yet not received)
6	Dr. Ambedkar Scholarship for EBC	33	297000	Only scholarship for EBC students
		-	-	Not applied
7	Minority	02	18000	Only scholarship
<b>Total</b>		<b>138</b>	<b>1515300</b>	<b>Fresh as well as Renewal</b>

**Table 3.10 Details of Scholarship/ Financial Assistance to Post Graduate Students**

Sr. No.	Types of Scholarship/ Financial Aids	Number of Recipients		Amount (Rs.)		Remarks
		M. Tech.	Ph.D.	M. Tech.	Ph.D.	
1	JRF	01	-	-		Fellowship not yet received
2	NTS-PG fellowship	07	-	300000	-	-
3	PG fellowship	02	-	18000	-	-
4	SRF	-	-		-	No student enrolled in 2020-21
5	Shodh	-	05	-	-	Fellowship for PhD students (No information)
6	SEBC Scholarship	-	-	-	-	BCK-98 Scholarship
		-	-	-	-	BCK-79 Food Bill(Not applied)
		01	-	12000	-	BCK-81 A post-metric scholarship
7	Dr. Ambedkar Scholarship	-	-	-	-	for EBC
8	SC Scholarship	01		8000	-	BCK-6.1 Scholarship
		-	-	-	-	BCK-10 Food bill(Not applied)
9	ST Scholarship	-	-	-	-	VKY -157 Food bill(Not applied)
		01	-	9000	-	Umbrella scheme for scholarship
		01	01	9000	9000	VKY -156 for Girl ST students having an annual income>2.5 lac
	Total	14	06	356000	9000	

**Table 3.11 No. of Students Qualified ICAR-JRF / ICAR – SRF / GATE /ICAR-NET Examinations**

Year	No. of students qualified JRF / SRF exam.	No. of students qualified GATE exam.	No. of students qualified ICAR-NET Examinations
2011-12	1 JRF	1	-
2012-13	5 JRF	3	-
2013-14	1 JRF	-	-
2014-15	-	2	-
2015-16	1 JRF	2	-
2016-17	4 JRF + 2 SRF	-	1
2017-18	-	-	-
2018-19	5 JRF	-	1
2019-20	-	1	04
2020-21	-	3	-
2021-22	-	-	-

**Table 3.13 List of B. Tech. (Agril. Engg.) Dissertation Projects Completed**

S.No.	Name of the Student	Reg. No.	Project Title	Project Advisor
1	Kanazariya Umeshkumar Bhartbhai Parmar Anilkumar Chandubhai	3050717016 3050717024	Study on maize shelling and modification of the exhaust system of electric motor operated maize sheller	Dr. K. L. Dabhi
2	Arvind Kumar Bharti Kuldeep Sunil Dangi	3050717001 3050717020 3050717037	Development of low-cost battery operated harvesting machine	Dr. R. Swarnkar
3	Dabhi Yogeshkumar Tapubhai Patel Jigneshkumar Satishkumar Panchal Vishal Bhikhabhai	3050717008 3050717027 3050717023	Development of low-cost battery operated inter plant weeder	Dr. R. Swarnkar
4	Kavad Bhavin Jashubhai Singh Navinsingh Satyendrasingh	3050717018 3050717034	Study on performance evaluation of different types of multi nozzle reciprocating sprayer	Er. Chirag Jadav
5	Kandoriya Darshan Manubhai Radadiya Dhruvalkumar Ashwinbhai	3050717017 3050717030	Energy yield estimate through bifacial solar PV system at CAET Godhra	Er. J. Sravankumar
6	Dobariya Pratik Rameshbhai Sonagara Vijay Goganbhai	3050717012 3050717036	Study on value addition in available vegetable vending cart	Er. Kapi IMandloi
7	Chauhan Niravkumar Vitthalbhai Parmar Harishchandra Hemubhai	3050717007 3050717025	Storage study of garlic bulbs	Dr. Navneet Kumar
8	Baraiya Dineshkumar Manubhai Bhadarka Mayurkumar Mohanbhai	3050717004 3050717005	Development of sensor based fuel measurement system for tractor	Dr. R.C. Salunkhe
9	Patel Mayankkumar Jayeshbhai Solanki Vishalkumar Kanubhai	3050717028 3050717035	Study on sprayer owned by the farmer	Dr. P. Gupta
10	Makrani Rohan Intiajali Paghadar Amitkumar Chandubhai	3050717021 3050717022	Morphometric based prioritization of sub watersheds using RS and GIS	Er. A. N. Kunapara
11	Koli Vinesh Jagshibhai Kotadia Priyank Ukabhai	3050717019 5050718003	Estimation of soil moisture content using Remote Sensing and GIS technique.	Dr. Mukesh K. Tiwari
12	Baman Kirankumar Punamchand Senma Akashbhai Mukeshbhai	3050717002 3050717032	Study of sun drying practices for maize cobs	Dr. Neeraj Seth
13	Patel Jatin Harshadbhai Satasiya Jenishbhai Ashvinbhai	3050717026 3050717031	Assessment of land use/ land cover change using RS and GIS	Er. A. N. Kunapara
14	Patel Nidhi Dilipbhai Panchal Anjali Shirishchandra	3050717029 5050718004	A study on rainfall-runoff modeling using QGIS & QSWAT model	Dr. Mukesh K. Tiwari
15	Bhanderi Sumit Chimanbhai Patel Meetkumar Subhashchandra	5050718001 5050718005	Storage study of mango leather	Er. K. R. Jethva
16	Barad Mayurbhai Narasingbhai Faldur Dhruvkumar Jaysukhbhai	3050717003 3050717013	Development of screw press type briquetting machine	Dr. D. K. Vyas

Table 3.14 List of PG Students Completed Their Thesis

S. No.	Name of the Student	Reg. No.	Project Title	Project Advisor
<b>M.Tech. Thesis (Soil and Water Conservation Engineering)</b>				
1	Prem Kumara	2050719005	Hydrological Response Modeling of an Agricultural Watershed using QSWAT	Dr. M.K. Tiwari
2	Priyanka Singh Thakur	2050718010	Sediment yield estimation of Panam Catchment using MPSAIC Model in RS and GIS environment	Dr. G.R. Patel
3	Brahmbhatt Manthankumar Pravinbhai	2050718002	Investigation of the variability of standardized precipitation index using discrete wavelet Transform in conjunction with the Mann Kendall (MK) test	Dr. M.K. Tiwari
<b>M. Tech. Thesis (Farm Machinery and Power Engineering)</b>				
1	Gurav Diwyabharati Manik	2050719002	Design and Development of Bullock Drawn Single Row Sugarcane Planter	Dr. R. Swarnkar
2	Budhe Vinay Kumar	2050718003	A Study on Electrostatic Spraying System	Dr. Pankaj Gupta
<b>M. Tech. Thesis (Processing and Food Engineering)</b>				
1	Rathod Renukaben Kishorbhai	2050719006	Mathematical modelling of thin layer drying of blanched curry leaves	Dr. Navneet Kumar
<b>Ph. D. Thesis (Soil and Water Conservation Engineering)-In Service</b>				
1	Ram Bhavin Devabhai	04-3339-2017	Modeling Spatio-Temporal Variability of Daily & Sub-Daily Rainfall for Generating Regional Hyetographs & Intensity - Depth- Duration Curves for Middle Gujarat"	Dr. M.L. Gaur
<b>Ph. D. Thesis (Processing and Food Engineering)-In Service</b>				
1	Anadani SvatibenVithalbhai	04-3336-2017	Technology development for production of bael fruit powder and its utilization in selected food product	Dr. S.H. Akbari
2	Sayyad Farid Gayasoddin	04-3051-2016	Post Harvest Handling System for Water Chestnut	Dr. S.H. Akbari
3	Jethva Kamlesh Ramniklal	04-3050-2016	"Standardization of Process Parameters for Production of Protein Enriched Mango Leather"	Dr. R.F. Sutar

**Table 3.15 Board of Studies for Faculty of Agril.Engg. & Technology**

<b>Sr. No.</b>	<b>Name of Member</b>	<b>Designation</b>
<b>(a)</b>	<b>Principal &amp; Dean, College of Agril. Engg. &amp; Technology, Godhra</b>	<b>Chairman</b>
<b>(b)</b>	<b>The Head of the Department and Professors teaching subjects assigned to the faculty as member:-</b>	<b>Member</b>
	1 Head, Department of Farm Machinery & Power Engineering	
	2 Head, Department of Processing & Food Engineering	
	3 Head, Department of Soil & Water Conservation Engineering	
	4 Head, Department of Renewable Energy Engineering	
	5 Head, Department of Basic Engineering & Applied Sciences	
	6 Head, Department of Irrigation & Drainage Engineering	
<b>(c)</b>	<b>Director of Research &amp; Dean PG, AAU, Anand / his representative</b>	<b>Member</b>
<b>(d)</b>	<b>Director of Extension Education, AAU, Anand / his representative</b>	<b>Member</b>
<b>(e)</b>	<b>Five Co-opted Members:-</b>	<b>Co-opted Member</b>
	1 Dr. T.M.V. Suryanarayana Director, Water Resources Engineering and Management Institute, The Maharaja Sayajirao University of Baroda, Vadodara - 390002 E-mail - Drsurya-Wremi@msubaroda.ac.in, Phone - 9409025483	
	2 Dr. P. K. Shrivastava Principal and Dean, ASPEE College of Horticulture and Forestry, N. A. U., Navsari - 396 450, Telephone Number : Office : 282745, 282144, Fax : 282145	
	3 Dr. Raghuraj Singh Scientist, Farm Machinery and Power, ICAR-Directorate of Medicinal & Aromatic Plants Research, Boriavi- 387310, Anand, Gujarat, Phone : 91 2692 271602 Fax : 91 2692 271601	
	4 Dr. S. H. Sengar Head & Associate Professor, Department of Renewable Energy Engineering, College of Agricultural Engineering & Technology, ParsiTekra, Dediapada – 393 040, Dist. Narmada, Gujarat, Phone :- 94082 26320), E-mail- shsengar@nau.in	
	5 Dr. P. R. Bhatnagar, Head, ICAR-Indian Institute of Soil and Water Conservation Research Centre, Vasad-388306, Dist., Anand, Gujarat, Phone – 02692274226, 2692275226, 9427779216, Fax- 02692274806, E-mail - cswcrtivsd@yahoo.com	
<b>(f)</b>	<b>Assistant Registrar (Academic), AAU, Anand</b>	<b>Secretary</b>



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

Sr. No.	Name of Member		Designation
(1)	<b>Principal &amp; Dean, College of Agril. Engg. &amp; Technology, Godhra</b>		<b>Chairman</b>
(2)	<b>Principal, Polytechnic in Agricultural Engineering, Dahod</b>		<b>Member</b>
(3)	<b>The Head of the Department and Professors teaching subjects assigned to the faculty as member:-</b>		<b>Member</b>
	1	Head, Department of Farm Machinery & Power Engineering	
	2	Head, Department of Processing & Food Engineering	
	3	Head, Department of Soil & Water Conservation Engineering	
	4	Head, Department of Renewable Energy Engineering	
	5	Head, Department of Basic Engineering & Applied Sciences	
	6	Head, Department of Irrigation & Drainage Engineering	
(4)	<b>Director of Research &amp; Dean PG, AAU, Anand / his representative</b>		<b>Member</b>
(5)	<b>Director of Extension Education, AAU, Anand / his representative</b>		<b>Member</b>
(6)	<b>Four Assistant Professor and its equivalent from each department</b>		<b>Member</b>
	1	Dr. Hardik S. Sharma, Assistant Professor, Department of Basic Engineering & Applied Sciences, CAET, Godhra	
	2	Dr R. C. Salunkhe, Assistant Professor, Department of Farm Machinery & Power Engineering, CAET, AAU, Godhra	
	3	Smt.S. K. Modi, Assistant Professor, Department of Basic Engineering & Applied Sciences, CAET, Godhra	
	4	Dr. N. Seth. Assistant Professor, Department of Processing & Food Engineering, CAET, AAU, Godhra	
(7)	<b>Assistant Registrar (Academic), AAU, Anand</b>		<b>Secretary</b>





## 4. DEPARTMENTAL ACTIVITIES

Apart from teaching activities, various research and extension activities were also carried out by the different departments during the year 2021-22. 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 and evaluation of mini tractor operated strip till multi crop planter cum fertilizer applicator	Dr. Pankaj Gupta	2013	2021
2.	Design and development of tractor-drawn potato harvester with integrated cart elevator.	Dr. R. C. Salunkhe	2016	Cont.
3.	Development of electric motor operated maize cob dehusker	Dr. R. C. Salunkhe	2017	2021 (Concluded)
4.	Development of battery operated cutter	Dr. Pankaj Gupta	2017	Cont.
5.	Design and development of mini tractor drawn two row automatic potato planter cum fertilizer applicator	Dr. K. L. Dabhi	2019	Cont.

### Research Recommendations

#### Recommendation:

#### Project- Development and evaluation of mini tractor operated strip till multi crop planter cum fertilizer Applicator

The farmers are recommended to use the mini tractor operated multi crop planter cum fertilizer applicator developed by Anand Agricultural University to sow the seeds of different crops like green gram, black gram, castor, maize, soybean and pigeon pea. The planter has provision to adjust the row to row and seed to seed spacing as per crop requirement. The maximum speed to operate the machine, and respective effective field capacity, percentage saving in time and cost of sowing over conventional methods for different crops would be achieved as shown in Table:

Crop	Speed of operation, km/h	Effective field capacity, ha/h	Saving over conventional method, %	
			Time	cost of operation
Green Gram	3	0.321	85.96*	67.16*
Black Gram	3	0.324	86.09*	67.47*
Castor	2	0.278	96.4**	68.81**
Maize	3	0.389	76.87*	45.81*
Soybean	3	0.353	83.02*	60.19 *
Pigeon pea	3	0.378	76.15*	44.23*

\* Bullock drawn plough with funnel type seeding attachment

\*\* Manual dibbling method

**ભલામણ :**

ખેડૂતોને આણંદ કૃષિ યુનિવર્સિટી દ્વારા વિકસાવવામાં આવેલ મીની ટ્રેક્ટર સંચાલિત મલ્ટીકોપ પ્લાન્ટર કમફર્ટિલાઈઝર એપ્લિકેટરથી તુવેર, મકાઈ, દિવેલા, અડદ, મગ અને સોયાબીન પાકોની વાવણી કરવા ભલામણ કરવામાં આવે છે. આ પ્લાન્ટરમાં યાસ થી યાસ અને દાણાથી દાણાનું અંતર પાકની જરૂરિયાત મુજબ ગોઠવી શકાય તેવી સગવડ છે. જુદા જુદા પાકોની વાવણી માટે સદર મશીનની મહત્તમગતિ તેમજ કાર્યક્ષમતા અને તે મુજબ પારંપારિક વાવણી પદ્ધતિની સરખામણીએ સમયમાં અને વાવેતર ખર્ચમાં નીચેના કોષ્ટકમાં દર્શાવ્યા મુજબ ઘટાડો (ટકાવારી પ્રમાણે) થાય છે.

પાક	મહત્તમ ગતિ, કિ.મી./કલાક	કાર્યક્ષમતા, હે. / કલાક	પારંપારિક વાવણી પદ્ધતિની સરખામણીએ થયેલ ઘટાડો, %	
			સમયમાં	વાવેતર ખર્ચમાં
મગ	૩	૦.૩૨૧	૮૫.૮૬*	૬૭.૧૬*
અડદ	૩	૦.૩૨૪	૮૬.૦૮*	૬૭.૪૭*
દિવેલા	૨	૦.૨૭૮	૮૬.૪**	૬૮.૮૧**
મકાઈ	૩	૦.૩૮૮	૭૬.૮૭*	૪૫.૮૧*
સોયાબીન	૩	૦.૩૫૩	૮૩.૦૨*	૬૦.૧૮*
તુવેર	૩	૦.૩૭૮	૭૬.૧૫*	૪૪.૨૩*

\* બળદથી ચાલતા હળ સાથે ઓરણી જોડીને

\*\* હાથ વડે દાણા વાવવાણી પદ્ધતિ



### Department of Processing & Food Engineering

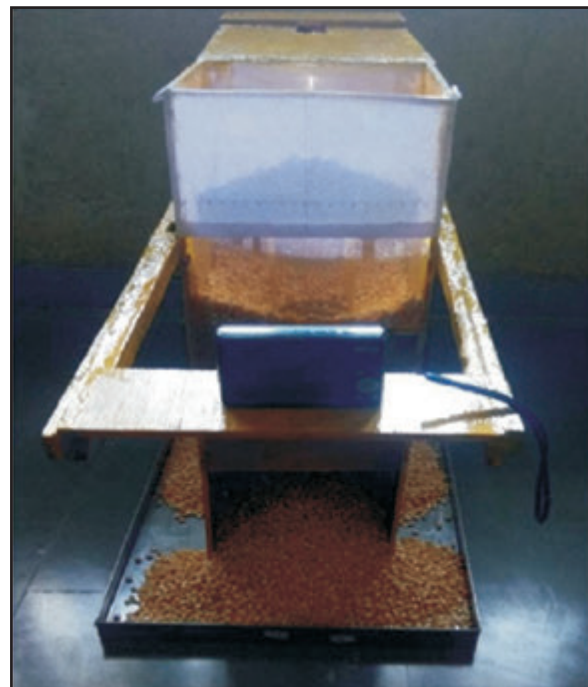
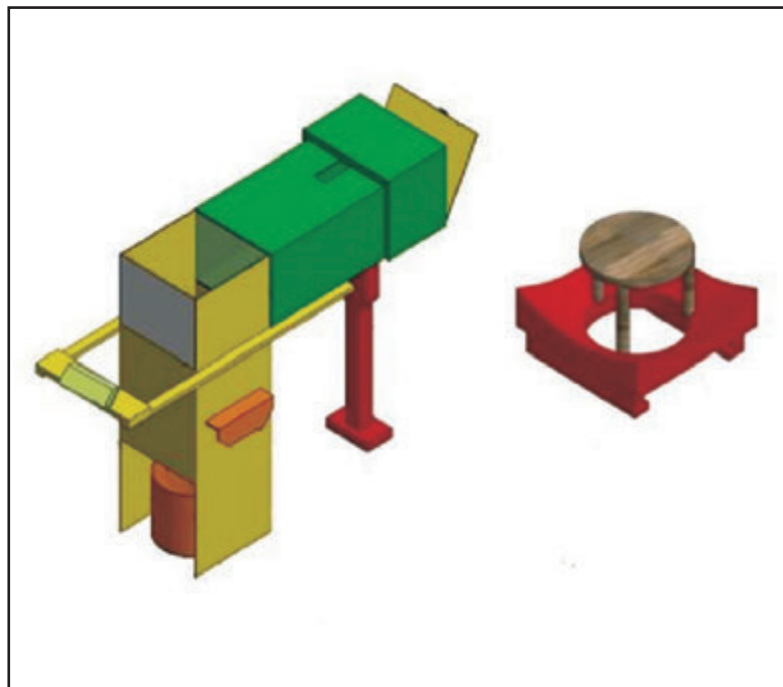
**Table 4.2 Research Projects Undertaken by the Department**

Sr. No.	Project Title	Principal Investigator	Period	
			From	To
1.	Development of rapid measurement system for angle of repose of grains	Dr. Navneet kumar	2017	2021
2.	Evaluation and modification of sun drying practices for maize cobs.	Dr. Neeraj Seth	2017	Cont.
3.	Optimization of process parameters for protein fortified kesar mango leather	Dr. Kamlesh Jethva	2019	Cont.
4.	Development of perforated storage bin for garlic	Dr. Navneet Kumar	2019	Cont.

## Research Recommendations

### Project- Development of rapid measurement system for angle of repose of grains

The educational institutes/ scientists/ entrepreneurs/ processors/ farm equipment manufacturers are advised to use low-cost angle of repose apparatus developed at Anand Agricultural University for measuring of angle of repose using any image analysis free software available for various grains at different moisture contents.



### Department of Renewable Energy Engineering

**Table 4.3 Research Projects Undertaken by the Department**

Sr. No.	Project Title	Principal Investigator	Period	
			From	To
1.	Drying of beetroot ( <i>Beta vulgaris</i> L.) and tomatoes ( <i>Lycopersicum esculentum</i> )	Dr. D. K. Vyas	2018	2021 (Concluded)
2.	Design and development of solar powered pellet machine for biogas slurry	Dr. D.K. Vyas	2021	Cont.
3.	Experimental Investigation of energy yield from Bifacial Silicon Solar photovoltaic (PV) module and its comparison with monofacial solar photovoltaic module	Er. J. Sravankumar	2021	Cont.

### Department of Irrigation & Drainage Engineering

**Table 4.4 Research Projects Undertaken by the Department**

Sr. No.	Project Title	Principal Investigator	Period	
			From	To
1.	Monthly Forecasts of SPI and SPEI Drought Indices in Middle Gujarat	Dr. Mukesh Tiwari	2020	Cont.

### Department of Basic Engineering & Applied Sciences

Sr. No.	Project Title	Principal Investigator	Period	
			From	To
1.	Design and development of multipurpose solar food processor	Er.Sravan Jogunuri	2016	Patent filed
2.	Quality assessment of water samples (Pre and post monsoon season) of open wells of CAET campus.	Mrs Shefali Modi	2018	2021 (Concluded)
3	Development of ro-procating sprayer for Weedicides	Er. Chirag Jadav	2018	Cont.
4	Development of a web interface to analyze location specific rainfall data	Dr. Gautam Kamani	2020	2021
5.	Fruit quality determination by using Ultrasonic Technique of Non-destructive evaluation method	Er. Chirag Jadav	2021	Cont.

### Research Recommendation

#### Project- Development of a web interface to analyze location specific rainfall data

Anand Agricultural University developed a tool that extract taluka rainfall data from GSDMA published rainfall PDF file and store in database. Researchers and scientists can view and download (xls file) taluka rainfall data in various forms.

**Rainfall Data of Gujarat State Taluka**  
Data Source: GSDMA, Gujarat  
Anand Agricultural University, Anand

**Member Login**  
Welcome kamani\_gautam@aau.in  
Change Password  
Logout

**News & Updates**  
---Coming Soon---

**About Project**  
Gujarat State Disaster Management Authority uploads the taluka wise daily rainfall data in PDF on <http://www.gsdma.org> website. User cannot directly analyze the PDF data because it is unstructured data. User can easily analyze the data if it is stored in database. In this project, rainfall data PDF data stored in database using the text-mining process and design a web interface to retrieving the information.

**Objectives**

- To store taluka wise rainfall data in database.
- To develop a web interface for retrieving rainfall data.

**Methodology**

- Collect / Download rainfall data PDF file from <http://www.gsdma.org>
- PDF file convert into semi-structure data (text format data)
- semi-structure data stored in structured data (DBMS)
- Develop web interface for retrieving the information

Design & Developed by: Dr. Gautam Kamani, CAET, AAU, Godhra  
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### EXTERNALLY FUNDED PROJECTS

Apart from the departmental Projects, some activities under externally funded projects were also carried out during the year 2021-22.

**Table 4.6 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.	Advance centre for research and trainers training for agricultural engineering based interventions	Dr. D.K. Vyas	12993-10	2012	Till Date	Govt. of Gujarat
2.	Developing a Watershed Based Conclave for Experimental Learning at Kankanpur	Dr R. C. Salunkhe / Dr. M. K. Tiwari	12993-11	2012	Till Date	Govt. of Gujarat
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.	Development of Renewable Energy Facilities by Energy Harvesting through Solar and Bio-mass Energy at College of Agricultural Engineering and Technology, AAU, Godhra	Dr. D.K. Vyas	18559-03	2021	Till Date	Rashtriya Krishi Vikas Yojana (RKVY)

### EXTENSION ACTIVITIES

**Table 4.7 Extension activities carried out by Department of PFE**

Sr. No.	Detail of activity	Date	Place	No. of Beneficiaries
1.	Protein Estimation in Food and Nitrogen Estimation in Soil	18/08/2021	CAET, AAU, Godhra	15
2.	Workshop on Entrepreneurship- Agri-Clinics and Agri-Business Centres	25/02/2022	CAET, AAU, Godhra	46

#### 1. Training cum Demonstration program on “Estimation of Protein in Food”

Training cum demonstration program on “Estimation of protein in Food” was organized by Processing and Food Engineering Department on 18/08/2021 at College of Agricultural Engineering and Technology, AAU, Godhra. Er. Bala Subramaniam (Resource person from Pelican Industry, Chennai) conducted practical demonstrations and training to faculty members, technical staff and PG students of this college regarding estimation of protein in various food samples in second session.



**Table 4.8 Extension activities carried out by Department of REE**

Sr. No.	Detail of activity	Date	Place	Beneficiaries
1.	One day farmer's training programme on importance of biogas and its utilization	22/10/2021	Devgadh Baria	60 Women Farmers
2.	Role of renewable energy in sustainable development of rural India	15/09/2021	Online expert lecture	437

### 1. One day farmer's training programme on importance of biogas and its utilization

Training cum demonstration program on “Estimation of protein in Food” was organized by Processing and Food Engineering Department on 18/08/2021 at College of Agricultural Engineering and Technology, AAU, Godhra. Er. Bala Subramaniam (Resource person from Pelican Industry, Chennai) conducted practical demonstrations and training to faculty members, technical staff and PG students of this college regarding estimation of protein in various food samples in second session.





## 2. Role of renewable energy in sustainable development of rural india

Department of Renewable Energy Engineering, College of Agricultural Engineering and Technology Godhra & Centre for Agricultural Market Intelligence(NAHEP-CAAST), AAU, Anand jointly organized on the occasion of “Engineers Day” an online expert lectures on “Role of Renewable Energy in Sustainable Development of Rural India” and **“Paradigm shift in 4th & 5th Generation Agriculture”** sponsored by NAHEP (ICAR) on 15/09/2021. About 437 participants registered for this event.



## 5. HUMAN RESOURCE DEVELOPMENT

**Table 5.1 Trainings Organized by the Faculty**

Sr. No.	Title	Duration	Sponsoring Authority
1.	Protein estimation in food and nitrogen estimation in soil	One Day (18-08-2021)	CAET, AAU, Godhra
2.	Expert lecture and introductory training session on “IRRICAD: irrigation and piped water network design software”	One Day (18/12/2021)	Training and Placement cell & Industry-Institute-Interaction Cell (IIIC) in association with the Department of Renewable Energy Engineering and Soil and Water Conservation Engineering, CAET, AAU, Godhra
3.	Workshop on “Entrepreneurship Agri-Clinics and Agri-Business Centres”	One Day (25-02-2022)	NABARD, Panchmahal
4.	Expert Lecture on the occasion of “Engineers Day” on “Role of Engineering Interventions in 4 <sup>th</sup> and 5 <sup>th</sup> generation agriculture”	One Day (15/09/2021)	Department of Renewable Energy Engineering, College of Agricultural Engineering and Technology, Godhra & Centre for Agricultural Market Intelligence, AAU, Anand jointly organized and sponsored by NAHEP (ICAR).
5.	Expert lecture on “Role of Renewable energy in sustainable development of rural India” sponsored by NAHEP (ICAR)	One Day (15/09/2021)	Department of Renewable Energy Engineering, College of Agricultural Engineering and Technology Godhra & Centre for Agricultural Market Intelligence, AAU, Anand jointly organized and sponsored by NAHEP (ICAR).
6.	One day Farmers’ Training programme on “Importance of Biogas and Its Utilization”	One Day (21/10/2021)	Jointly organized by Department of Renewable Energy Engineering, CAET, AAU, Godhra and TWRTC, Devgad Baria.

**Table 5.2 Training/Workshop/Seminar/Symposium/Conference Attended**

Sr. No.	Name of Teacher/Scientist	Participated	Duration	
			From	To
1.	Dr. Kamlesh Jethva	One day IDP-NAHEP sponsored Expert talk on “Trends in food quality assurance and career opportunities” organized by College of Community and Applied Science, MPUAT, Udaipur.	14/06/2021	14/06/2021
2.	Dr. Kamlesh Jethva	One day IDP-NAHEP sponsored Expert talk on “Scope and career opportunities in Indian food sector” organized by College of Community and Applied Science, MPUAT, Udaipur.	15/06/2021	15/06/2021
3.	Dr. Kamlesh Jethva	7-days Workshop on “Role of Exercise, Yogic Asanas and Pranayam in Immunity Boosting Against COVID-19 organized by Department of Physical Education in collaboration with NSS Sri Aurobindo College, New Delhi	15/06/2021	21/06/2021

4.	Dr. Gautam J. Kamani	STTP on “Applications of artificial intelligence and machine learning” at R K University, Rajkot	21/06/2021	26/06/2021
5.	Dr. Kamlesh Jethva	5-days AICTE Training and Learning Academy (ATAL) Online Elementary FDP on “Non-thermal processing of Food Products”	29/06/2021	03/07/2021
6.	Er. J. Sravankumar	Faculty developed program on “Artificial Intelligence, Machine Learning using Python” conducted by Department of Computer Science and Engineering, NIT Warangal	12/07/2021	16/07/2021
7.	Dr. Mukesh Tiwari	Training on “Machine Learning for Data Science using Python” at Department of Computer Science and Engineering, NIT, Warangal	19/07/2021	28/07/2021
8.	Dr. R. C. Salunkhe	Webinar ‘Challenges of Intellectual Property Rights (IPR) for innovations in Agricultural Machinery’ organized by MPUAT, Udaipur (Rajasthan).	06/08/2021	06/08/2021
9.	Dr. K.L. Dabhi	Webinar on “Service Acute Malnutrition” organized by the Associated Chambers of Commerce and Industry of India, New Delhi	12/08/2021	12/08/2021
10.	Dr. K.L. Dabhi	Webinar on “Introduction and Its Relevance of Digital Marketing in New Era” organized by The Associated Chambers of Commerce and Industry of India, New Delhi.	16/09/2021	16/09/2021
11.	Dr. D.K. Vyas, Er. J. Sravankumar, Dr. Kamlesh Jethva and Er. J. J. Chavda	National Workshop on Intellectual Property Rights and Innovations organized by IPR Cell, DR, AAU, Anand in collaboration with Rajiv Gandhi National Institute of Intellectual Property Management, Nagpur	27/10/2021	27/10/2021
12.	Dr. Kamlesh Jethva	5-days DSR-SERB sponsored Karyashala, High-End International Workshop (Online) on “Technologies for increasing the shelf-life of perishable foods” organized by Food Processing Engineering Department, NIT, Rourkela, Odisha	13/12/2021	17/12/2021
13.	Dr. Kamlesh Jethva	5-days AICTE Training and Learning Academy (ATAL) online advanced FDP on “Non-thermal processing of food products”	27/12/2021	31/12/2021
14.	Er. Arvind Kunapara	Winter school entitled “Recent advances in electronic devices, artificial intelligence and machine Learning for Precision Agriculture” at ICAR-Central Institute of Agricultural Engineering, Bhopal	01/02/2022	21/02/2022
15.	Er. J. Sravankumar	Winter school entitled “Crop residues utilization and management for clean energy and environment” conducted by ICAR-Central Institute of Agricultural Engineering	23/02/2022	15/03/2022
16.	Er. Chirag Jadav	ICAR sponsored capacity building training programme “Communication and management skills in transfer of agrotechnology” at PAU, Ludhiana	09/03/2022	18/03/2022

**Table 5.3 Lecture Delivered**

Sr. No.	Name of Teacher/Scientist	Lecture Topic	Place	Date
1.	Dr. D.K. Vyas	Solar wind hybrid system for power generation	CAET, JAU, Junagadh	06/10/2021
2.	Er. J. Sravankumar	Research opportunities in solar pv pumping system	CAET, JAU, Junagadh	06/10/2021
3.	Dr. Navneet Kumar	Supply chain management for processed food	JAU, Junagadh	08/10/2021
4.	Dr. K.L. Dabhi	કૃષિ યાંત્રિકીકરણના સાધનોનો પરિચય અને કાર્યપદ્ધતિ	CoA, AAU, Jabugam students' visit of FMPE Deptt., CAET, Godhra	28/09/2021
5.	Dr. K.L. Dabhi	કૃષિ યાંત્રિકીકરણના સાધનોનો પરિચય અને કાર્યપદ્ધતિ	Farmers' visit of FMPE Deptt., CAET, Godhra	14/10/2021
6.	Dr. K.L. Dabhi	કૃષિ યાંત્રિકીકરણ દ્વારા ખેત ઉત્પાદન વધારવાના ઉપાયો	Farmers' Training Centre, Dholakuva, Godhra	29/10/2021
7.	Dr. K.L. Dabhi	કૃષિ યાંત્રિકીકરણના સાધનોનો પરિચય અને કાર્યપદ્ધતિ	CPCA, SDAU, S.K.Nagar students' visit of FMPE Deptt., CAET, Godhra	20/12/2021
8.	Dr. K.L. Dabhi	કૃષિ યાંત્રિકીકરણના સાધનોનો પરિચય અને કાર્યપદ્ધતિ	CoA, SDAU, Tharad students' visit of FMPE Deptt., CAET, Godhra	20/12/2021
9.	Dr. D.K. Vyas	Bio-Energy through agriculture waste" during a brainstorming meet on "Atmanirbhar Bharat: Energy Security – BIO ENERGY	National Council for Climate Change Sustainable Development and Public Leadership (NCCSD), A'bad	21/12/2021
10.	Dr. K.L. Dabhi & Er. Rajesh S. Godhani	કૃષિ યાંત્રિકીકરણના સાધનોનો પરિચય અને કાર્યપદ્ધતિ	Visit of Input Dealers from AAU, Anand	11/01/2022
11.	Er. Rajesh S. Godhani	Importance and understanding of mechanization in agriculture	Farmer's Training Centre, Godhra	18/01/2022
12.	Dr. Mukesh Tiwari	Introduction to machine learning techniques in Agricultural and biological systems	ICAR-Central Institute of Agricultural Engineering	05/02/2022
13.	Dr. Mukesh Tiwari	Hands on machine learning techniques in Agricultural and biological systems	ICAR-Central Institute of Agricultural Engineering	05/02/2022

**Table 5.4 Radio Talk**

Sr. No.	Name of Teacher/Scientist	Topic	Place	Date
1.	Dr. K.L. Dabhi	કૃષિ આવક વધારવાની યાવીઓ એટલે આધુનિક યંત્રો	AIR, Godhra	30/07/2021
2.	Er. R.S. Godhani	આંતર ખેડૂનું મહત્વ તથા તેના માટે વપરાતા જુદા જુદા સાધનો	AIR, Godhra	27/08/2021
3.	Er. J. J. Chavda	Importance of briquetting technologies	AIR, Godhra	27/09/2021
4.	Er. J. Sravankumar	Impact of solar water pumping systems in agriculture	AIR, Godhra	29/10/2021
5.	Dr. D.K. Vyas	Rakshit kheti ma bhej ane tapman nu vyavsthapan	AIR, Godhra	30/10/2021



## 6. RESEARCH 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- National

1. Kamani G. J., Parmar R. S. and Ghodasara Y. R. (2021). Machine learning models for productivity trend of rice crop. **Gujarat Journal of Extension Education**, 32(2): 189-196.
2. Kamani G. J., Parmar R. S. and Ghodasara Y. R. (2021). Web tool for location specific rainfall data extraction and analysis. **Gujarat Journal of Extension Education**, 32(2): 162-168.
3. Vyas, D. K., Seth, N. and Chavda, J. J. (2021). Performance of biomass combustor based drying system for ginger drying. **Agricultural Engineering Today**, 45 (1): 19-25.
4. Vyas, D. K., Sravankumar, J. and Chavda, J. J. (2021). Performance evaluation of throat type updraft biomass gasifier using different biomass fuels. **Agricultural Engineering Today**, 45 (3): 6-12.

### 6.2 Research Papers Published- International

1. Chandel, N. S., Chakraborty, S. K., Rajwade, Y. A., Dubey, K., Tiwari, M. K. and Jat, D. (2021). Identifying crop water stress using deep learning models. **Neural Computing and Applications**, 33(2): 5353–5367.
2. Dudhat, B. L. and Vyas, D. K. (2021). Economics of solar pump irrigation system in Dahod district, Gujarat- A pilot study. **International Journal of Agriculture Sciences**, 13(5): 10769-10771.
3. Fayaz U., Dar, A. H., Kumar, N., Junaid, P. M., Shams, R. and Khan, S. A. (2021). Formulations and quality characterization of low salt flat bread: Effects on functionality, rheological and sensory properties, **Applied Food Research**, 1(1): 1-11.
4. Jadav, C. and Patel, S. (2021). Ultrasonic testing for determination internal flaws and discontinuities in metal casting: A Review. **Nat. Volatiles & Essent. Oils**, 8(6): 4899-4918.
5. Jethva, K. R., Sutar, R. F., Kumar, N. and Vyas, D. K. (2021). Effect of whey protein on sun dried protein enriched kesar mango leather. **Journal of Pharmacognosy and Phytochemistry**, 10(2): 824-830.
6. Matholiya, C. S., Gupta, P., Agravat, V. V., Patel, U. V. and Balas, P. R. (2022). Automatic guidance systems in agricultural autonomous robotic machine: A review. **The Pharma Innovation Journal**, SP-11(3): 307-312.
7. Nayi, P. and Kumar, N. (2021). Development of ready to reconstitute dehydrated traditional sweet corn halwa. **Journal of Food Science Technology**, 58: 4486–4494.
8. Patel, K. H., Parmar, P.K., Patel, M.B., Verma, H. S. Singh, S. K., Mehta, P. B., Patel, M.J. and Patel, V.J. (2021). Production of Baby corn hybrid as influence by Nitrogen and Phosphorus in Rabi Season. **The Pharma Innovation**, 10(12): 712-715.
9. Patel, S. K., Mani, I., Gupta, P., Srivastava, A. P. and Sundaram, P. K. (2021). Models for crop parameters due to normal load of tractor and number of passes. **Agricultural Engineering International: CIGR Journal**, 23 (4): 55-64.
10. Popalia, C. and Kumar, N. (2021). Effect of temperature and processing time on physico-chemical characteristics in hot water blanching of sweet corn kernels, **Journal of the Institution of Engineers (India): Series A**, 102, 16 – 173.

11. Popalia, C. and Kumar, N. (2022). Physicochemical characteristics of sweet corn kernels during microwave blanching. **Journal of Food Processing and Preservation**, 46 (3): 1-13.
12. Sayyad, F. G., Akbari, S. H., Vyas, D. K. and Trivedi, M. M. (2021). Effect of pretreatment on dimensional properties of water chestnut. **Biological Forum - An International Journal**, 13(3b): 94-102.

### 6.3 Popular Articles

1. Chavda, J.J. and Vyas D.K. (2021). Solar pumping system. Khetima Punah Prapya Urja Shrotoni Upyogita, 22-25.
2. Chavda, J.J. and Vyas, D.K. (2021). Solar lighting system. Khetima Punah Prapya Urja Shrotoni Upyogita, 26-29.
3. Vyas, D.K. and Chavda, J.J. (2021). Biomass gasification system. Khetima Punah Prapya Urja Shrotoni Upyogita, 34-38.
4. Vyas, D.K. and Chavda, J.J.(2021). Biomass briquetting system. Khetima Punah Prapya Urja Shrotoni Upyogita, 39-43.
5. Vyas, D.K. and Chavda, J.J.(2021). Juda juda kachara/khet adpedashono biogasma upyog. Khetima Punah Prapya Urja Shrotoni Upyogita, 44-47.
6. Sravankumar, J., Chavda, J.J. and Vyas, D.K. (2021). Krushima navinikaraniy urjani bhumika. Khetima Punah Prapya Urja Shrotoni Upyogita, 48-52.
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### 6.4 Awards

Received the Best Research Paper Award from the Indian Association of Soil and Water Conservationists, Dehradun, Uttarakhand, for the year 2019 in the category of Engineering and Hydrology, for the paper entitled “Rainfall-runoff simulation modelling using artificial neural networks in semi-arid middle Gujarat region” by A.K. Koradia, A.D. Bhalala and M. K. Tiwari published in Indian Journal of Soil Conservation (Volume 47 No. 3, December, 2019).



## 6.1 Books / Book Chapters Published

### (i) Books / Booklets

Sr. No.	Name of Book / Booklets	Name of Authors	Name of Publisher
1.	Agro-Processing and Food Engineering: Operational and Application Aspects	Sharma, H. K. and Kumar, N.	Springer, Singapore

### (ii) Book Chapters

Sr. No.	Name of Book	Name of Book Chapter	Name of Chapters' Authors	Name of Publisher
1.	Agro-Processing and Food Engineering: Operational and Application Aspects	Agro Processing: Scope and Importance	Sharma, H. K. and Kumar, N.	Springer, Singapore
2.		Engineering Properties of Foods	Kumar, V., Sharma, H.K. and Kumar, N.	
3.		Design of Material Handling Systems	Kumar, N. and Sharma, H.K.	
4.		Drying	Kumar, N. and Sharma, H.K.	
5.		Cleaning and Separation	Sayyad, F.G., Sharma, H.K. and Kumar, N.	
6.		Storage	Vishwakarma, R.K., Kumar, N., Sharma, K., Kumar, Y. and Kumar, C.	
7.		Processing of Cereals	Kaushal, P. and Kumar, N.	
8.		Processing of Oilseeds	Kaur, M., Sharma, H.K. and Kumar, N.	
9.		Processing of Fruits and Vegetables	Dar, A.H., Kumar, N., Shah, S., Shams, R. and Aga, M.B.	

## 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.

### 7.1 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 129 (UG & PG) boys' students were staying in the Aruni Boys Hostels, Dr. A.P.J. Abdul Kalam Hall of Residence 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., Guest room and Reading room, R.O. Water along with Cooler, Solar Water Heating System and Student Co-operative Mess facilities. During the reporting period Dr. Neeraj Seth was acting as Rector of CAET Hostels and Dr. Kamlesh Jethva, Dr. K. L. Dabhi and Mrs. Hetal Tanna were acting as Assistant Rectors for the hostels of Aruni Boys Hostels, Dr. A.P.J.A.K Hostel & Aditi Girls Hostel respectively.



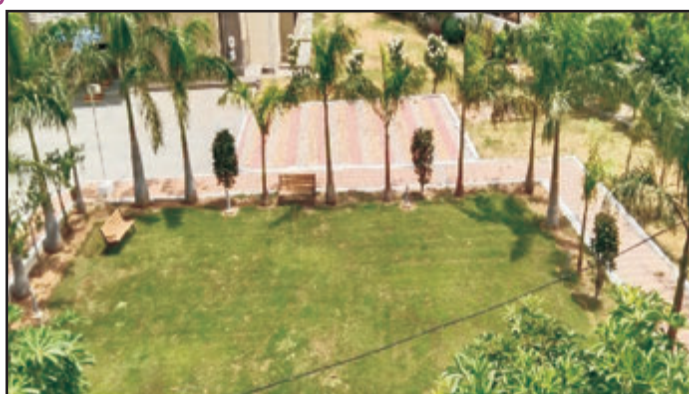
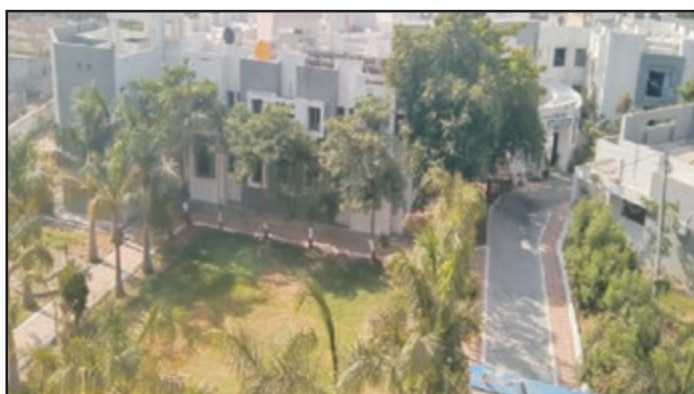
Dr. A.P.J. Abdul Kalam Hall of Residence



Aditi Girls Hostel



Aruni Boys Hostel



Landscapes around Hostels



### Dining Halls :

There are two separate Students cooperative messes each for boys and girl students located at their respective hostel premises. These messes are completely operated/run by Students on 'No profit – No loss' basis and cater to the taste of students. There are mess representatives nominated from the students and the Rector and/or Asst. Rector(s) supervise the smooth running of the mess.



**Dining Area with seating capacity of 96**



**Kitchen Area**

### Round the clock Security:

To provide round the clock security in the campus as well as hostels a batch of security personnel, which include security in charge, remains deployed around the clock in the campus.

### Hostel Reading Hall:

The hostel provides facilities with modern amenities for students. The hostel is equipped with a well-stock reading room which aims at further enhancement of self-study.



**CAET Boys Hostels Reading Hall**

## CAET Boys Hostels Reading Hall

### Facilities available in the hostels:



Solar Water Pumping System



Solar Water Heating System (Boys Hostel)



Solar Powered PV system for Reading Hall



Solar Water Heating System (Girls Hostel)



Drinking water with RO facility



Electric Geyser for water heating





TV Hall



Gym



Badminton Court



Volleyball Court

Table 7.1 Hostel Blocks &amp; Capacity

Block Name	Block	Floor	No. of Rooms	Single/Double/Triple Occupancy rooms	Total Capacity
Dr.A.P.J. Abdul Kalam Hall of Residence	1	G	12	Triple-8	24
		1	12	Double-10 (Guests Rooms)	20
		2	12	Triple-12	36
		3	12	Triple-11	33
	Sub-Total				113
Aruni Boys Hostel	A	G	12	Double-9	18
		1	12	Double-12	24
	B	G	12	Double-12	24
		1	12	Double-12	24
	C	G	12	Double-12	24
		1	12	Double-12	24
	Sub-Total				138
Aditi Girls Hostel	1	G	12	Double-09	16
		1	12	Double-09	18
	Sub-Total				34
Total					285

**Table 7.2 Hostel Administration**

Chief Rector	C.A.E.T. Hostels (Boys & Girls)	Dr.R.Subbaiah, Principal and Dean, CAET, AAU, Godhra Email id: dean.caet@aau.in
Rector	C.A.E.T. Hostels (Boys & Girls)	Dr. Neeraj Seth, Asst. Professor, Dept. of Processing and Food Engineering, CAET, AAU, Godhra Email id: neeraj.caet@aau.in
Asst. Rector	Dr. A.P.J Abdul Kalam Hall of Residence (Boys' Hostel)	Dr. K. L. Dabhi, Asst. Professor, Dept. of Farm Machinery and Power Engineering, CAET, AAU, Godhra Email id: kldabhi@aau.in
Asst. Rector	Aruni Boys Hostel	Dr. Kamlesh R. Jethva, Asst. Professor, Dept. of Processing and Food Engineering, CAET, AAU, Godhra Email id: krjethva78@aau.in
Asst. Rector	Aditi Girls Hostel	Mrs. Hetal Tanna, Assistant Professor, Dept. of Basic Engineering and Applied Sciences, CAET, AAU, Godhra Email id: het1008@aau.in
Asst. Warden	Aditi Girls Hostel	Mrs. Reshma V. Bhabor, CAET, AAU, Godhra Email id: rvbhabor@aau.in

**7.2 STUDENTS REPRESENTATIVE COUNCIL****Table 7.3 Staff Advisors of Students' Representative Council for Year 2021-22**

Sr. No.	Name & Designation	Activities
1	Dr. R. Subbaiah, Principal & Dean	President
2	Dr. R. C. Salunkhe, Assi. Prof., Deptt. FMPE	Chairman
3	Dr. Hardik Sharma, Assi. Prof., Deptt. BEAS	Co-Chairman & Literary Activities
4	Mrs. Hetal Tanna, Assi. Prof., Deptt. BEAS	Cultural activities
5	Er. Sravankumar, Assi. Prof., Deptt. BEAS	College Magazine Activities
6	Dr. Neeraj Seth, Assi. Prof., Deptt. APE	Indoor games
7	Er. Arvind Kunapara, Assi. Prof., Deptt. SWCE	Outdoor games & Gymkhana
8	Dr. K. L. Dabhi, Assi. Prof., Deptt. FMPE	Adventure activities & Treasurer



**Table 7.4 Students representatives of Students' Representative Council for Year 2021-22**

Sr. No.	Name	Sem.	Activities
1.	Chavda Hitesh Danjibhai	7 <sup>th</sup>	General Secretary
2.	Rashi Dwivedi	7 <sup>th</sup>	Lady's Representative
3.	Rohit Kumar Yadav	7 <sup>th</sup>	CR, Final Year & College Magazine
4.	Gajjar Harsh Bharatbhai	7 <sup>th</sup>	CR, Final Year & Cultural Events
5.	Anup Soni	5 <sup>th</sup>	CR, Third Year & Indoor Games & Adventure activities
6.	Tushar Rathore	5 <sup>th</sup>	CR, Third Year & Outdoor Games
7.	Anupama Sharma	3 <sup>rd</sup>	CR, Second Year & Literary Events
8.	Dave Yash Kaushikkumar	3 <sup>rd</sup>	CR, Second Year & Athletic
9.	Kunpara Ketankumar Vallabhbhai	1 <sup>st</sup>	CR, First Year & Reading Room, TV Room
10.	Patel Ulpa Vinodbhai	Ph.D	Class Representative, PG

➤ **Physical Education Programme**

**University / Inter-University Athletic meet / Youth festival**

- The students of the College had participated in the following Inter collegiate sports / cultural events organised by the different colleges of AAU, Anand during the year.

**Table 7.5 Participation of Students at inter collegiate sport competitions**

Sr. No.	Sports/Event	Intercollegiate Events	
		College & Place	Date
1.	Chess (M & W)	FPT & BE, Anand	27 <sup>th</sup> November, 2021
2.	Table Tennis (M )	FPT & BE, Anand	27 <sup>th</sup> November, 2021
3.	Badminton (M)	BACA, Anand	30 <sup>th</sup> November, 2021
4.	Badminton (W)	BACA, Anand	30 <sup>th</sup> November, 2021
5.	Volleyball	College Agri. Information Technology, Anand	2 <sup>nd</sup> March, 2022
6.	Basketball	College Agri. Information Technology, Anand	2 <sup>nd</sup> March, 2022
7.	Football	BACA, Anand	8 <sup>th</sup> March, 2022
8.	Kabbadi	College of Agriculture, Vaso.	15 <sup>th</sup> March, 2022
9.	Literary Events (Debate and Extempore)	College of Horticulture, Anand	14 <sup>th</sup> March, 2022
10.	Cultural Events	College of Horticulture, Anand	14 <sup>th</sup> March, 2022
11.	Athletic (M & W)	College of Agriculture, Jabugam	29 & 30 March, 2022

- 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/National Level. The details of their achievements are given below.

**Table 7.6 Students' Achievement during Academic Year 2021-22**

1.	University Runner up Team	Football
<b>Athletic</b>		
2.	Maradiya Ekta Subhashbhai	Shot put- Gold Disc Throw- Gold University Champion (Female)
3.	Gajera Harsh Nareshbhai	Long Jump- Silver
4.	Vadhiya Jaydipkumar Ramsibhai	High Jump- Bronze
<b>University Selection</b>		
1.	Table Tennis	1.Nayan Patel
2.	Basketball	1.Harsh Tadavi*
3.	Kabbadi	1. Parmar Divyeshkumar*

\*Selected but not Participated due to Semester End Examination

- CAET students also celebrated different occasions and festival at college level as per given in table

**Table 7.7 Different Events Celebration during Academic Year 2021-22**

Sr. No.	Different Events Celebration	Date
1.	Celebration of 75 <sup>th</sup> Independence Day	15 <sup>th</sup> August, 2021
2.	Engineer's Day	15 <sup>th</sup> September, 2021
3.	Agricultural Education Day	3 <sup>rd</sup> December, 2021
4.	Sensitization Program on "Financial Education"	10 <sup>th</sup> December, 2021
5.	Cleanness Drive	12 <sup>th</sup> March, 2022
6.	Sports Fest	1 <sup>st</sup> to 3 <sup>rd</sup> April, 2022

➤ **Details about Students participation in inter collegiate/inter university competitions.**

**1) Chess**

An inter-collegiate Chess competition was held on 27<sup>th</sup> November, 2021 at FPT & BE, AAU, Anand. There were five students of CAET, Godhra named Anup Soni, Nisarg Dedhiya, Pratham Sen, Subhash Kumar Kushwaha and Mori Nasibkumar performed their best in competition.



## 2) Table Tennis

An inter-collegiate Table-Tennis competition for boys was held on 27<sup>th</sup> November, 2021 at FPT & BE, AAU, Anand. There were four boys students of CAET Godhra, named Patel Nayanbhai, Varchand Umesh, Soni Maitrik and Patel Hil performed their best in competition. Mr. Nayan Patel was selected in university team of AAU.



## 3) Badminton (Men and Women)

An inter-collegiate Badminton competition for boys and girls was held on 30<sup>th</sup> November, 2021 at BACA, Anand. There were four students of CAET Godhra, named Patel Nayanbhai, Nanera Jaydeep, Pratham Sen and Patel Hil performed their best in competition. There were four girls students of CAET Godhra, Shraddha Kaushik, Parmar Nishaben, Valand Nayana and Nisha Chavda participated and performed well.



## 4) Volley ball competition

An inter-collegiate volley ball competition was held on 2<sup>nd</sup> March, 2022 at College Agri. Information Technology, Anand. There were twelve students of CAET Godhra, named Patel Uttamkumar, Khandla Meet, Kishan Kumar, Pativala Dakshitkumar, Patel Tilakkumar, Patel Nayanbhai, Odedara Karankumar, Nanera Jaydeep, Nisarg Dedhiya, Soni Maitrik, Tandel Het and Patel Hil participated and performed their best.



### 5) Basketball

An inter collegiate Basketball competition was held on 2<sup>nd</sup> March, 2022 at College of Agri. Information Technology, Anand. The students named Tadv Harshkumar, Rohit Kumar Yadav, Kapadiya Dhruvinkumar, Patel Uttamkumar, Khandla Meet, Rana Jayrajsinh, Parmar Avinash, Padhya Anshul, Patel Nayanbhai, Soni Maitrik, Shah Krushank and Patel Hil participated.

### 6) Football

An inter collegiate Football competition was held on 8<sup>th</sup> March, 2022 at BACA, Anand. The students named Gohil Hunny, Parmar Avinash, Padhya Anshul, Tushar Rathore, Ashok Kumar Ahirwar, Pathan Mohammad Musharraf, Rathod Ronakkumar, Parmar Priteshkumar, Solanki Jayendrasinh, Rathod Chetankumar, Chavda Hitesh, Tarunesh Dhurve, Chotaliya Utsav, Pratham Sen, Raushan Kumar Niti and Nisarg Dedhiya participated and performed their best. By winning first match, team reached in semi final and become the runner up Team of University.



### 7) Kabaddi

An inter collegiate Kabbadi competition was held on 15<sup>th</sup> March, 2022 at College of Agriculture, AAU, Vaso. There were twelve students named Sisodiya Narendrasinh, Vora Akashkumar, Kalara Jigarkumar, Makawana Shivamkumar, Vadhiya Jaydipkumar, Varchand Umesh, Hadiya Deep, Patel Jaykumar, Jadav Pragnesh, Nisarg Dedhiya, Patel Harshitkumar, and Parmar Divyeshkumar participated and performed their best. Mr. Parmar Divyeshkumar was selected in University team.



## 8) Athletics

The CAET students participated in intercollegiate Athletic tournament held on 29 & 30 March, 2022 at AAU, Anand hosted by College of Agriculture, Jabugam. The students of the college had participated in 100m, 200m, 400m, 800m and 1500m running events and High Jump, long Jump, Shot put and Discs Throw field events. Miss Maradiya Ekta Subhashbhai received Gold medal in Shot put and Disc Throw. Mr. Gajera Harsh Nareshbhai got Silver medal in Long Jump. Mr. Vadhiya Jaydipkumar Ramsibhai got Bronze Medal in High Jump. Miss Maradiya Ekta achieved University Championship (Female).



## 9) Literary competition

The CAET students participated in intercollegiate Literary competition held on 14<sup>th</sup> March, 2022 at College of Horticulture, Anand, AAU, Anand. Miss. Anupama Sharma and Miss Shayla Khan represented in Debate and Mr. Pratham Sen participated in Extempore competition.

## 10) Cultural competition

The CAET students participated in intercollegiate cultural competition held on 14<sup>th</sup> March, 2022 at College of Horticulture, Anand, AAU, Anand. The students viz. Pratham Sen, Chavda Hitesh, Kanani Vaishali, Mevada Anjali, Nisarg Dedhiya, Patel Jaykumar, Pipaliya Kishankumar, Jadav Pragnesh, Nisha Chavda, Rami Isha and Patel Jahanvi participated in Group Dance. The students viz. Parmar Priteshkumar, Padhya Anshul, Pathan Mohammad Musharraf, Parmar Viliyambhai, Mori Nasibkumar and Raypura Krunalkumar were represented in Mime. Miss Patel Ulpa and Nisha Parmar represented in Mono acting.





➤ **Details about cultural and sport programs conducted at college level**

**1) Celebration of 75<sup>th</sup> Independence Day**

The College of Agricultural Engineering & Technology, AAU, Godhra celebrated the 75<sup>th</sup> Independence Day of our Beloved Country, India. The National Flag was hoisted by Dr. R. Subbaiah, Principal and Dean, CAET, Godhra followed by National Anthem and Zenda Geet. The program was arranged by SRC and NSS sections of the college. All required facilities are organized by Dr. R. C. Salunkhe (Assi. Prof. & Chairman, SRC) and Dr. K. R. Jethva, (Assi. Prof. & NSS Program Coordinator), Dr. Neeraj Seth, (Assi. Prof., Deptt. of PFE) and Mr. Nilesh Patel, (Mechanic, Deptt. BEAS).



**2) Engineers' Day**

The College of Agricultural Engineering and Technology, Godhra celebrated “Engineers Day, 2021” to pay tribute to the great Indian Engineer, Bharat Ratna Sir Mokshagundam Visvesvaraya on 15th September, 2021. To celebrate the day more passionately an elocution competitions was conducted for the students through offline and online mode. The function was organized at Exam Hall of the college by maintaining Covid-19 Protocol. Total 11 (9 offline and 2 online) students took part in the competition and expressed their views on the topic “Role of Agricultural Engineers to make India Aatmanirbhar” . Mr. Anup Soni (Third Year) got First position, Miss. Sakshi Chandra (Third Year) got Second position and Miss. Shyla Khan (Second Year) got Third position in the competition.





### 3) Agricultural Education Day

Under the head of 'Azadi ka Amrut Mahotsav', National Service Scheme and Student Representative Council Jointly organized and celebrated an "Agricultural Education Day" at College of Agricultural Engineering and Technology, AAU, Godhra on 3<sup>rd</sup> December, 2021 on the occasion of Birth Anniversary of Bharat Ratna, Dr. Rajendra Prasad, First Union Agriculture Minister in 1946 and First President of independent India. In the morning session, the school students of Shri Shri Ravishankar Vidyamandir, Godhra were invited to visit college. The students had shown their keen interest in understanding various principles, construction and functions of various equipment, instruments, working models, experimental set ups related to soil conservation, hydrology, irrigation, food and grain processing, renewable energy, tractor, farm machinery and basic engineering. In the afternoon session, a day was celebrated with UG and PG students followed by watching an online program held at ICAR Headquarter.



### 4) Sensitization Program on "Financial Education"

The Sensitization Program on "Financial Education" was jointly organized by SRC, CAET, Godhra and National Center for Financial Education, Navi Mumbai on 10/12/2021 at Conference Hall of the college to make aware about online methods of money transitions and precautions to be taken during online banking transitions. First year and Third Year B. Tech students had been participated in the program.



### 5) Cleanness Drive

The cleanliness drive was conducted at College of Agricultural Engineering and Technology, Godhra by B. Tech. Students to clean Play Ground and surrounding area of Hostel on 12<sup>th</sup> March, 2022. About 100 students from First year to Final year B. Tech had been participated in the cleanliness drive under the guidance of Dr. R. C. Salunkhe, SRC, Chairman, CAET Godhra.



### 6) Celebration of Sport Fest 2K22

Three-day 'Sport Fest 2k22' was organized at College of Agricultural Engineering & Technology, AAU, and Godhra during April, 01 to 03, 2022 as a part of 'Fit India Movement' under Five programs of 'Azadi ka Amrit Mohostav'.

The fest was started with cricket match between Staff and PG students. On the first day, events such as Cricket, Carrom, Chess and Volleyball were organized. On the second day of the festival, sports like Treasure Hunt, Badminton, Langadi, Tug of war, and solo games were organized. The third day of sport fest was become memorable by sports like Team Building, Kabaddi, Weight Lifting along with Quiz, Debate, Mobography and Media Reporting competitions.







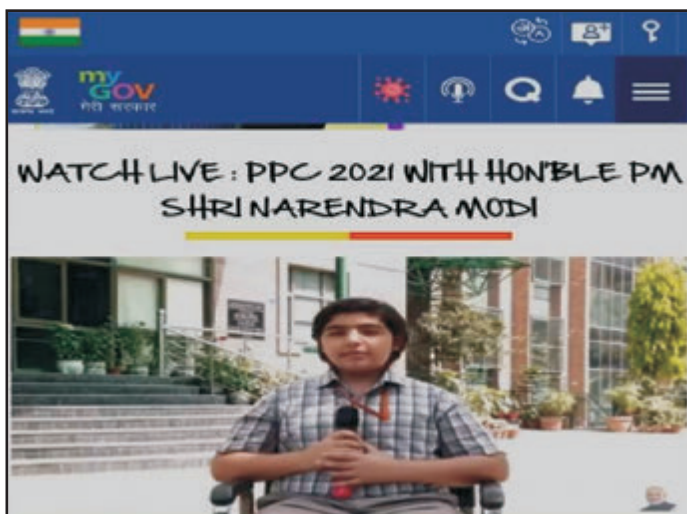
## 7.8 National Service Scheme

Various 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
01	Participation in Pariksha pe Charcha	07/04/2021
02	Covid-19 Awareness drive (Online)	10-15/04/2021
03	Covid-19 Vaccination awareness drive (Online)	10-15/04/2021
04	International day of Yoga celebration (Online)	21/06/2021
05	Plantation cum green campus drive organized (Online)	10-11/07/2021
06	Participation in video conference of AKAM (Online)	04/09/2021
07	Webinar on water conservation by rain water harvesting (Online)	04/09/2021
08	A poetry competition on Zaverchang Meghani poet	18/09/2021
09	Poster and Elocution competition on NSS Day	24/09/2021
10	Fit India Freedom run-2.0 organized	25/09/2021
11	Cleanliness drive organized on occasion of Gandhi Jayanti	02/10/2021
12	Plastic waste free campus drive organized on occasion of Gandhi Jayanti	02/10/2021
13	Swachhta Campaign organized	16/10/2021
14	Blood donation camp organized	26/11/2021
15	Thalassemia awareness cum screening test	26/11/2021
16	Celebration of Agricultural Education day	03/12/2021
17	Awareness rally and door to door campaign on covid vaccination organized	05/03/2022
18	Plastic waste free village campaign organized	05/03/2022

### 1) Participation in Pariksha pe Charcha

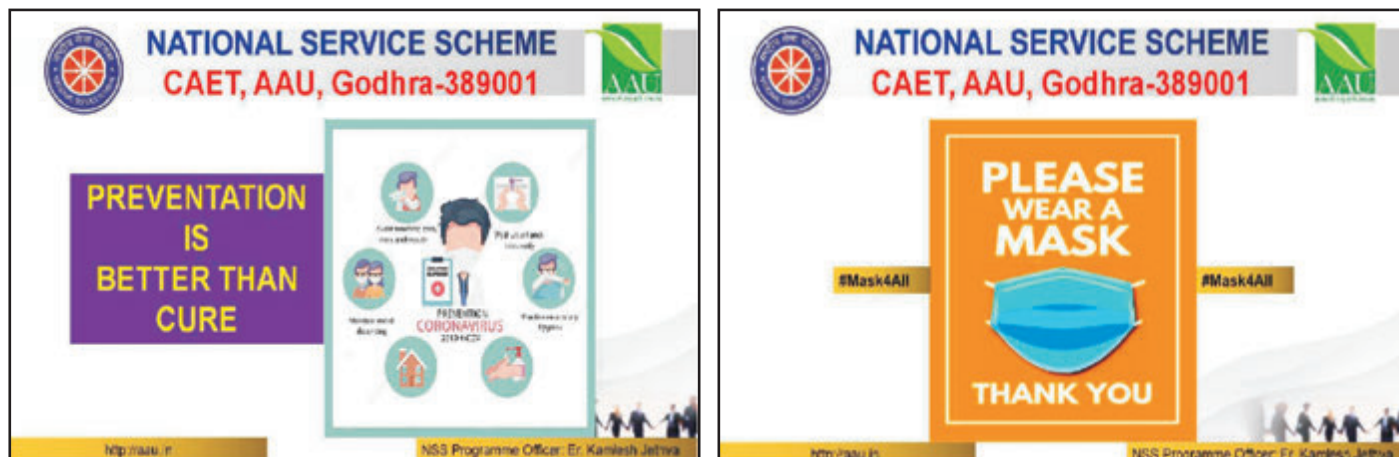
Hon. Prime Minister Shri Narendra Modi on 7<sup>th</sup> April, 2021 (Wednesday) at 7.00 PM interacted with students, teachers and parents. The first and second year students (about 50 students) of B. Tech (Agril. Engg.), College of Agricultural Engineering and Technology, AAU, Godhra were also virtually participated in Pariksha Pe Charcha 2021 program.





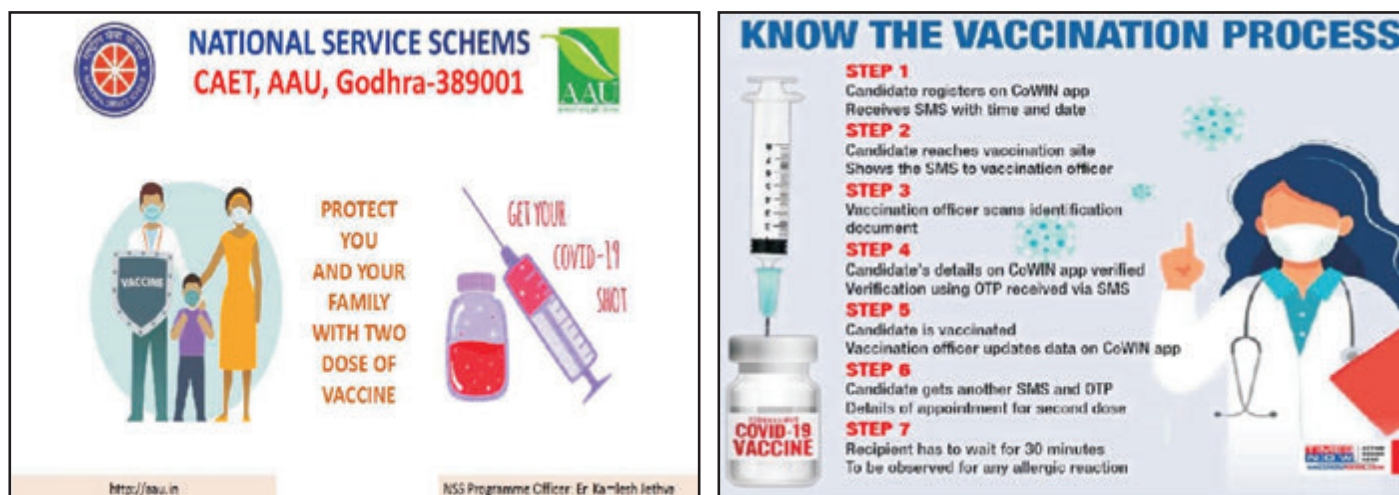
## 2) Covid-19 Awareness drive (Online)

As a part of this movement, a small “Online COVID-19 Awareness cum Prevention campaign (#Unite2FightCorona)” run by first and second year NSS volunteers of College of Agricultural Engineering and Technology, AAU, Godhra by preparing various posters/slogans related to COVID-19 to aware students, faculties, communities, society and other peoples who suffered from this pandemic conditions.



## 3) Covid-19 Vaccination awareness drive (Online)

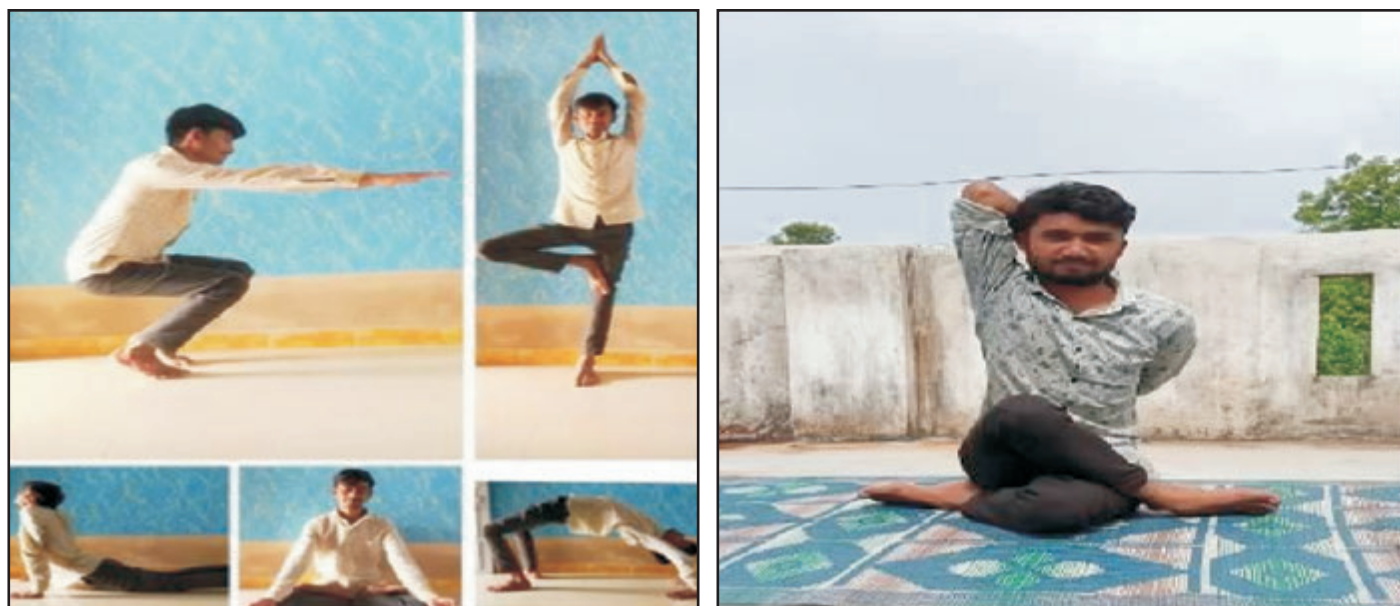
આજના સમયમાં જે રીતે કોરોનાના કેસો વધી રહ્યા છીએ તેમની સામેની લડાઈમાં કોરોનાની રસી (વેક્સિન) એકમાત્ર અચૂક રામબાણ ઈલાજ છે અને કોરોના રસી મૂકવાથી લોકોના જીવ બચાવી શકાઈ છે. આથી કોરોના રસી મૂકવા અંગે ગામઅને શહેરના લોકોમાં જન જાગૃતિ ફેલાવ તે હેતુથી રાષ્ટ્રીય સેવા યોજના, કૃષિ ઈજનેરી અને ટેકોલોજી કોલેજ, આણંદ કૃષિ યુનિવર્સિટી, ગોધરાના સવ્યમસેવકો દ્વારા (તેમની આજુ બાજુની સોસાયટી, મહોલ્લામાં રહેતા રહીશોમાં) આ અભિયાન ચલાવામાં આવી રહ્યું છે. જેમાં રાષ્ટ્રીયસેવાયોજના સાથે સંકળાયેલા સવ્યમસેવકો પોસ્ટર, સ્લોગન દ્વારા ઘરે ઘરે જય લોકોને આ બાબતે જાગૃત કરી રહ્યા છીએ.



## 4) International day of Yoga celebration (Online)

The College of Agricultural Engineering and Technology, Anand Agricultural University, Godhra celebrated 7<sup>th</sup> International Day of Yoga as per guidelines provided by Ministry of AYUSH, Government of India on 21<sup>st</sup> June, 2021 with theme of “Yoga for Wellness”. NSS volunteers, faculties and others UG students were participated and also performed various yoga and asana with their family@Home.





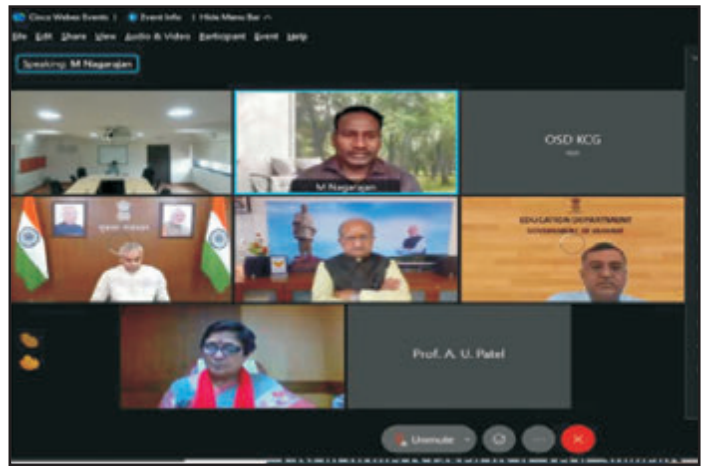
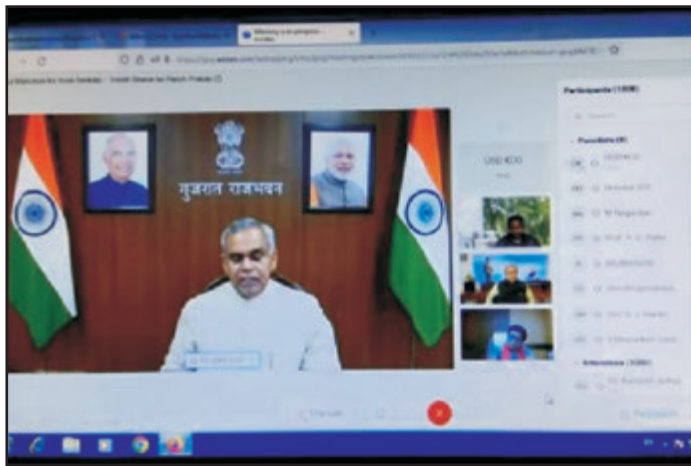
#### 5) **Plantation cum green campus drive organized (Online)**

National Service Scheme unit of the College of Agricultural Engineering and Technology, AAU, Godhra celebrated online campaign on plantation and awareness with the theme, '*Har Med Par Ped*' as part of '*Celebration of India @ 75 – Azadi ka Amrut Mahotsav*' on 10-11<sup>th</sup> July, 2021 with joins hands with First and second year students of B.Tech (Agril. Engg.). Students actively participated in this campaign from their home and they planted tree/plants in their home and nearby area and they also spread awareness about tree plantation among society.



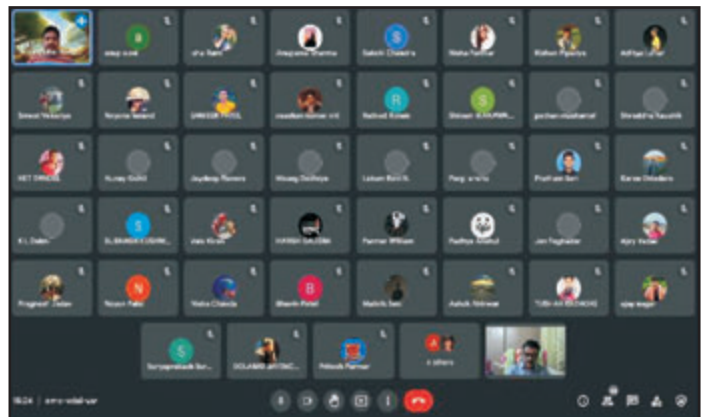
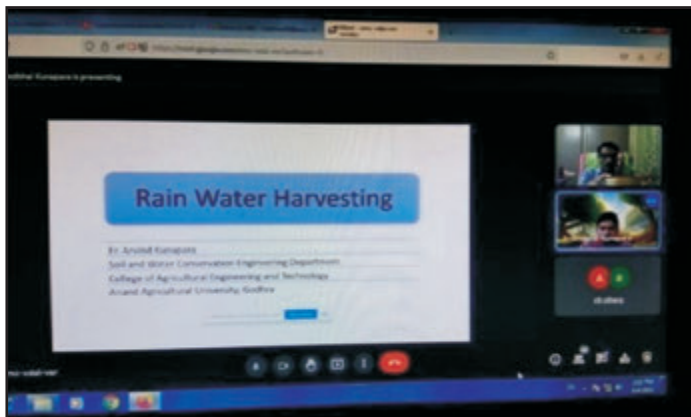
#### 6) **Participation in video conference of AKAM (Online)**

As a part of celebration of "*Azadi ka Amrut Mahotsav*", an online meeting was scheduled on 04 Sept., 2021 at 12.30 PM under the Chairmanship of H.E. the Governor of Gujarat. The agenda of this meeting was "*Amrut Mahotsav ka Yuva Sankalp-Shreshth Bharat ke Panch Prakalp*". All the faculty members, staffs and UG students of College of Agricultural Engineering and Technology, Anand Agricultural University, Godhra, Gujarat were participated in this video conference meeting.



### 7) Webinar on water conservation by rain water harvesting (Online)

As a part of celebration of “Azadi ka Amrut Mahotsav@75 years of Independence”, a webinar was organized on theme of “Water Conservation by Rain Water Harvesting” by National Service Scheme Unit of College of Agricultural Engineering and Technology, Anand Agricultural University, Godhra on 04th September, 2021. Faculty members, first year and second year students of B.Tech (Agril. Engg.) actively participated in this webinar via online mode.



### 8) A poetry competition organized on 'Zaverchand Meghani Poet'

આઝાદી કા અમૃત મહોત્સવ અંતર્ગત અને “રાષ્ટ્રીય શાયર” શ્રી ઝવેરચંદ મેઘાણીની ૧૨૫મી જન્મજયંતીની ઉજવણીના ભાગરૂપે રાષ્ટ્રીય સેવા યોજના, કૃષિ ઇજનેરી અને ટેકનોલોજી કોલેજ, આણંદ કૃષિ યુનિવર્સિટી, ગોધરા ખાતે તા. ૧૮/૦૯/૨૦૨૧ના રોજ 'શ્રી ઝવેરચંદ મેઘાણી રચીત અને સંપાદિત કાવ્યગાન' સ્પર્ધાનું આયોજન કરવામાં આવેલ. જેમાં અત્રેની કોલેજમાં અભ્યાસ કરતાં દ્વિતીય અને તૃતીય વર્ષના વિદ્યાર્થીઓ અને વિદ્યાર્થીનીઓએ ઉત્સાહભરે ભાગ લીધો.





### 9) Poster and Elocution competition on NSS Day

આઝાદી કા અમૃત મહોત્સવ અંતર્ગત અંતર્ગત 'રાષ્ટ્રીય સેવા યોજના દિવસ' (૨૪/૦૯/૨૦૨૧) ની ઉજવણીના ભાગરૂપે કૃષિ ઈજનેરી અને ટેકનોલોજી કોલેજ, આણંદ કૃષિ યુનિવર્સિટી, ગોધરા ખાતે 'પોસ્ટર અને વક્તૃત્વ સ્પર્ધા-૨૦૨૧' નું આયોજન કરવામાં આવેલ. જેમાં અત્રેની કોલેજમાં અભ્યાસ કરતાં દ્વિતીય અને તૃતીય વર્ષના વિદ્યાર્થીઓ/વિદ્યાર્થીનીઓએ ઉત્સાહભરે ભાગ લીધો.



### 10) Fit India Freedom run-2.0 organized

FIT India Mission has conceptualized 'FIT INDIA FREEDOM RUN 2.0' to commemorate the 75<sup>th</sup> Independence Day - "Azadi Ka Amrit Mahotsav". By keeping above concept in mind a Fit India Freedom Run-2.0 organized on 25/09/2021 at CAET, AAU, Godhra campus to encourage people to take up fitness activities such as running and sports in their daily lives and get freedom from obesity, laziness, stress, anxiety, diseases, etc.



### 11) Cleanliness drive-2021 organized on occasion of Gandhi Jayanti

On the eve of Gandhi Jayanti and part of celebration of 'Azadi ka Amrut Mahotdav' and 'Clean India Movement', a 'Cleanliness Drive' & 'Swachhta Plog Run' were organized by NSS unit of College of Agricultural Engineering and Technology, AAU, Godhra on 02 October, 2021 as per the guidelines of Ministry of Youth Affairs and Sports, Govt. of India. B. Tech (Agril. Engg.) 2<sup>nd</sup> and 3<sup>rd</sup> Year students (70 nos.) actively participated in this drive.





## 12) Plastic waste free campus drive-2021 organized on occasion of Gandhi Jayanti

To make CAET campus plastic free, a special 'Plastic Free Campus Awareness Drive-2021' was organized on occasion of Gandhi Jayanti (02/10/2021) under the head of 'Azadi ka Amrut Mahotdav' and 'Clean India Movement'. 70-students of second and third year of B. Tech (Agril. Engg.) actively participated in the awareness drive. They visited various places in campus and make them plastic waste free by collecting plastics garbage and other plastic products.



## 13) Swachhta Campaign-2021 organized

As a part of celebration of 'Azadi ka Amrut Mahotdav' and 'Clean India Movement', a 'Swachhta Campaign-2021' was organized by NSS unit of College of Agricultural Engineering and Technology, AAU, Godhra on 16 October, 2021. B. Tech (Agril. Engg.) 2<sup>nd</sup> Year students (30 nos.) actively participated in this swachhta campaign. Under 'Swachhta Campaign', various spots were identified in campus and cleaning of that spots along with painting of tress was also carried out by volunteers.



## 14) Blood donation camp organized

As a part of Azadi ka Amrut Mahotsav, National Service Scheme Unit of College of Agricultural Engineering and Technology, AAU, Godhra in collaboration with Indian Red Cross Society, Godhra organized "Voluntary Blood Donation Camp-2021" on 26 November, 2021. Dr. R. K. Chauhan encouraged the students for blood donation and also briefed the benefit of blood donation. At this occasion, Prof. Anand Ghadilali, Vice Chairman of India Red Cross Society also remained present and motivates the student for blood donation. Total 26 students including faculty members were also actively participated in this blood donation camp.





#### 15) Thalassemia Awareness cum Screening Test organized

The College of Agricultural Engineering and Technology, Anand Agricultural University, Godhra had organized “*Thalassemia Awareness cum Screening Test Programme*” on 26<sup>th</sup> November, 2021 under NATIONAL SERVICE SCHEME Unit in collaboration with INDIAN RED CROSS SOCIETY (Gujarat State Branch), AHMEDABAD. Mr. Sanjaybhai Vala (Camp Incharge, Indian Red Cross society, Ahmedabad) gave information on thalassemia major/ minor and importance of thalassemia testing programme to UG/PG students of college.



#### 16) Celebration of Agricultural Education day

Under the head of 'Azadi ka Amrut Mahotsav', National Service Scheme and Student Representative Council Jointly organized and celebrated an "Agricultural Education Day" at College of Agricultural Engineering and Technology, AAU, Godhra on 3<sup>rd</sup> December, 2021 on the occasion of Birth Anniversary of Bharat Ratna, Dr. Rajendra Prasad, First Union Agriculture Minister in 1946 and First President of independent India, 1947.





### 17) Awareness Rally and Door to door Campaign-2021 on covid vaccination organized

As a part of “અમૃત મહોત્સવ પર યુવા સંકલ્પ - શ્રેષ્ઠ ભારત કે પાંચ પ્રકલ્પ” and to aware the village peoples about COVID vaccination and its importance, an 'Awareness Rally and Door to Door Campaign' run by NSS Volunteers in Dholakuva Village on 05/03/2022. Total 53 NSS volunteers of CAET actively participated in this special campaign. They visited door to door in village and make the village people aware about importance of covid vaccination.



### 18) Plastic Waste Free Village Campaign-2021 organized

As a part of “અમૃત મહોત્સવ પર યુવા સંકલ્પ - શ્રેષ્ઠ ભારત કે પાંચ પ્રકલ્પ” and to make village plastic free, a special 'Plastic Waste Free Cleanliness Drive and Awareness Rally' were carried out by NSS Volunteers in Dholakuva Village on 05/03/2022. Total 53- numbers of NSS volunteers of CAET were actively participated in the plastic waste free cleanliness drive. They visited various places in villages and make them plastic waste free by collecting plastics garbage and other plastic products. They also aware the village peoples to avoid single use plastic in his day to day life.



### 19) Sparrow day Celebration

કૃષિ ઈજનેરી અને ટેકનોલોજી કોલેજ, ગોધરા ખાતે તારીખ ૨૦-૦૩-૨૦૨૨ ના રોજ વિશ્વ ચકલી દિવસની ઉજવણી કરવામાં આવેલ હતી. જે અંતર્ગત ડૉ. બ્રિજેશ અમીન દ્વારા વિદ્યાર્થીઓ ને વિશ્વ ચકલી દિવસ વીશે માહિતી આપી હતી તેમજ ચકલી ના પુઠાં માથી તથા માટી માંથી બનાવવામાં આવેલ માળા કેવી જગ્યા અને કેવી રીતે મુકવા તે બાબતે માર્ગદર્શન આપેલ હતુ. આ કાર્યક્રમમાં વિદ્યાર્થી તથા સ્ટાફમીત્રોએ ઉત્સાહભરે ભાગ લીધો હતો અને કોલેજ કેમ્પસમાં વિવિધ જગ્યા પર ચકલીના માળા લગાવવામાં આવ્યા હતા.





## 20) NSS Special Camp at Ambali Primary School, Doctor na Muvada, Godhra

રાષ્ટ્રીય સેવા યોજના, કૃષિ ઈજનેરી અને ટેકોલોજી કોલેજ, ગોધરા દ્વારા તા.૨૧/૦૩/૨૦૨૨ થી ૨૭/૦૩/૨૦૨૨ દરમિયાન ગોધરા તાલુકામાં આવેલ અંબાલી પ્રાથમિક શાળા, ડોક્ટરના મુવાડા ગામખાતે ૭-દિવસની ખાસ શિબિરનું આયોજન કરવામાં આવેલ હતું. આ શિબિરમાં ૩૦ વિદ્યાર્થીઓ એ ભાગ લીધેલ હતો. આપણા રાષ્ટ્રની આઝાદીના ૭૫ વર્ષની ઉજવણીના ભાગરૂપે "અમૃત મહોત્સવ પર યુવા સંકલ્પ-શ્રેષ્ઠ ભારત કે પાંચ પ્રકલ્પ" યોજના અંતર્ગત વિવિધ જનજાગૃતિના કાર્યક્રમો કરવામાં આવેલ હતા જેવા કે પાણી બચાવો, નશાબંધી અને કુરિવાજ, તથા ફિટ ઈંડીયા વગેરે... આ કેમ્પ દરમિયાન રાષ્ટ્રીય સેવા યોજનાના સ્વયંસેવકો દ્વારા ગામમાં વિવિધ શેર નાટકો અને પ્રભાતફેરીઓ યોજી સમાજ કલ્યાણનો સંદેશ પાઠવ્યો હતો. તેમજ ફાયર સેફ્ટી અને સ્ત્રી સુરક્ષા તેમજ તેના કાયદા વિશે ની જાણકારી માટેના સેમીનારનું આયોજન કરવામાં આવેલ હતું. આ ખાસ શિબિરમાં વિદ્યાર્થીઓએ ઉત્સાહભરે ભાગ લીધો હતો તેમજ ગામલોકોના અને અંબાલી પ્રાથમિક શાળાના આચાર્યના સહકારથી ખાસ શિબિરનું સફળતાપૂર્વક આયોજન અને સમાપન થયું. આ કાર્યક્રમનું સંચાલન ડૉ. ગૌતમ કમાણી, એન.એસ.એસ. પ્રોગ્રામઓફીસર દ્વારા કરવામાં આવ્યું.



## 7.9 DISCIPLINARY COMMITTEE

The College Discipline Committee is constituted to maintain discipline in the college. Committee looks after and take care of the matters of general discipline pertaining to minor punishments in the college. Discipline Committee is formed as under:

1	Dr. P. Gupta, Professor & Head (FMPE), CAET, AAU, Godhra (Nominated)	Chairman
2	Dr. D. K. Vyas, Asso. Prof. & Head (RE), CAET, AAU, Godhra (Nominated)	Member
3	Mrs. Shefali Modi, Assistant Professor, Dept. of BEAS, CAET, AAU, Godhra (Nominated)	Member
4	Chairman, Student's Representative Council, CAET, AAU, Godhra	Member
5	Programme Officer, National Service Scheme, CAET, AAU, Godhra	Member
6	In-charge, Training and Placement Cell, CAET, AAU, Godhra	Member
7	In-charge, Library, CAET, AAU, Godhra	Member
8	Assistant Rector (Dr. A. P. J. Abdul Kalam Hall of Residence), CAET, AAU, Godhra	Member
9	Assistant Rector (Aruni Boys' Hostel), CAET, AAU, Godhra	Member
10	Assistant Rector (Girls' Hostel), CAET, AAU, Godhra	Member
11	Rector, CAET, AAU, Godhra	Member Secretary

## 7.10 ANTI-RAGGING SQUAD

With a view to maintain peaceful atmosphere during the initial new admissions in the College and to avoid any possible occurrences of ragging incidents at college/hostel premises, an Anti-Ragging squad is formed with the following members:

1	Dr. P. Gupta, Professor & Head (FMPE), CAET, AAU, Godhra	Chairman
2	Dr. D. K. Vyas, Asso. Professor & Head (REE), CAET, AAU, Godhra	Member
3	Er. Arvind Kunapara., Asst. Prof. (SWCE), CAET, AAU, Godhra	Member
4	Dr. R. C. Salunkhe, Asst. Prof. & Chairman, SRC, CAET, AAU, Godhra	Member
5	Mrs. Hetal Tanna, Asst. Prof., BEAS, CAET, AAU, Godhra	Member
6	Dr. N. Seth, Rector, CAET, AAU, Godhra	Member Secretary

## 7.11 WOMEN CELL

The CAET Women cell is constituted to help, maintain a harmonious atmosphere at the institute, to enable women of CAET to pursue their work with dignity and reassurance. The cell has been working to raise awareness on gender equality issues. Institute is committed to maintaining a professional learning and working environment for its students, employees and guests. The Women cell's mandate is to prevent gender discrimination and inappropriate sexual conduct. The members of Gender Committee are given below:

**TABLE OF MEMBER LIST**

ક્રમ	નામ	હોદ્દો	સમિતિમાં હોદ્દો
૧	ડૉ. આર. સુબેયાહ	આચાર્ય અને વિદ્યાશાખાધ્યક્ષ	અધ્યક્ષ
૨	શ્રીમતિ હેતલ તન્ના	મદદનીશ પ્રાધ્યાપક	કન્વીનર
૩	શ્રીમતિ શેફાલી મોદી	મદદનીશ પ્રાધ્યાપક	સભ્ય
૪	ખ્યાતિ વ્યાસ	સીનિયર રીસર્ચ આસિસ્ટન્ટ	સભ્ય
૫	શ્રદ્ધા સેઠી	વિદ્યાર્થીની	સભ્ય
૬	સાક્ષી ચંદ્રા	વિદ્યાર્થીની	સભ્ય

## કોલેજના વુમન સેલ દ્વારા આંતરરાષ્ટ્રીય મહિલા દિવસની ઉજવણી

કૃષિ ઈજનેરી અને ટેકનોલોજી કોલેજ, ગોધરા, ખાતે આંતરરાષ્ટ્રીય મહિલા દિવસ ઉજવણીના ભાગરૂપે તા. ૦૮ માર્ચના રોજ કોલેજમાં અભ્યાસ કરતા વિદ્યાર્થી/વિદ્યાર્થીનીઓ, કર્મચારીઓ, તથા કેમ્પસમાં રહેતી મહિલાઓ માટે “સ્ત્રીને લગતા કાયદા અને સામાજિક વિચારસરણી” તથા “સ્વસ્થ મહિલા સ્વસ્થ ભારત” વિષય પર એક દિવસીય વર્કશોપ કાર્યક્રમ, આયોજિત કરવામાં આવેલ. સદર કાર્યક્રમમાં કોલેજની વિદ્યાર્થીનીઓ, સ્ટાફ તેમજ કેમ્પસમાં રહેતી મહિલાઓએ હાજરી આપી હતી. વર્કશોપમાં હાજર રહેલ મહેમાન શ્રીમતી લલિતા સુબેયાહ મેડમેનરી શિક્ષા વિશે પ્રોત્સાહન આપ્યું હતું.



વર્કશોપમાં પધારેલ મહેમાન વ્યાખ્યાતા શ્રી વેદેહી દાણી(એડવોકેટ અને નોટરી) દ્વારા “સ્ત્રીને લગતા કાયદા અને સામાજિક વિચારસરણી” પર સુંદર અને સચોટ માર્ગદર્શન આપ્યું તથા વિદ્યાર્થીઓને પોતાની આસપાસ રહેતી મહિલાઓને કેવી રીતે મદદરૂપ થઈ શકાય તેની વિશેષ માહિતી આપી. તેમજ બીજા મહેમાન વ્યાખ્યાતા ડૉ. મનીષા મેહતા( ઈદ્ સ્પેશિયાલિસ્ટ) દ્વારા “સ્વસ્થ મહિલા સ્વસ્થ ભારત” પર મહિલાના જીવનમાં સ્વાસ્થ્યને લગતા વિશેષ ચાર તબક્કા વિશે માર્ગદર્શન આપવામાં આવ્યું. કાર્યક્રમમાં વિદ્યાર્થીનીઓ દ્વારા વર્કશોપને અનુરૂપ ખૂબ જ સરસ નૃત્ય, એકપાત્રિય અભિનય, વકૃત્વ કરવામાં આવેલ.



## 7.12 ALUMNI ASSOCIATION

The following is the Second Executive Committee (2019-22) of Agricultural Engineering Alumni Association Godhra.

Sr. No.	Name of the Member	Designation
1	Dr. R. Subbaiah, Principal & Dean, CAET, AAU, Godhra	Patron
2	Dr. Dharmesh Vyas, Associate Professor & Head, Department of Renewable Energy Engineering, CAET, AAU, Godhra	President
3	Mrs. Hetal Tanna Mandal, Assistant Professor, Department of Basic Engineering and Applied Sciences, CAET, AAU, Godhra	Vice President
4	Er. J. Sravankumar, Assistant Professor, Department of Renewable Energy Engineering, CAET, AAU, Godhra	Honorary Secretary
5	Dr. R. C. Salunkhe, Assistant Professor, Department of Farm Machinery and Power Engineering, CAET, AAU, Godhra	Joint Secretary (Publication)
6	Dr. K. L. Dabhi, Assistant Professor, Department of Farm Machinery and Power Engineering, CAET, AAU, Godhra	Joint Secretary (Liaison)
7	Er. Chirag Jadav, Assistant Professor, Department of Basic Engineering and Applied Science, CAET, AAU, Godhra	Treasurer
8	Dr. R. Swarnakar, Professor, FMPE Dept., Dr. Pankaj Gupta, Prof. & Head, FMPE Dept., Dr. Navneet Kumar, Assoc. Prof. & Head, PFE Dept., Dr. Mukesh Tiwari, Asst. Prof. & Head, SWCE & IDE Dept., Er. Kapil Mandoli, Asst. Prof. & Head, BEAS Dept., Dr. Gautam Kamani, Asst. Prof., BEAS Dept., Er. Viral Mendpara, Alumni Er. Hepin Banderi, Alumni Er. Barad Vipul, Alumni Er. Balas Duda, Ph.D Student	Co-opt Members

Agricultural Engineering Alumni Association Godhra spreaded warmth among the less privileged people of the society by carrying on blanket and maflar/winter caps distribution program in the month of 17/12/2021. The objective of the initiative is to provide shield to the less privileged from the winter. For this, the association visited Mama Fadke Ashram Shala, Godhra and distributed blankets to residential school students. A total of 20 blankets and 20 maflars were distributed on 17/12/2021. The purpose of distributing blanket as well maflar/ winter caps, the needy spreads the message of sympathy, love and sacrifices to the society and AEAAG feels the responsibility of society. Dr.R.Subbaiah, Patron, Dr. D.K.Vyas, President, Er.J.Sravankumar, Secretary and Alumin's of AEAAG Association, Godhra on the association volunteered for this program.





As a part of “અમૃત મહોત્સવ પર યુવા સંકલ્પ-શ્રેષ્ઠ ભારત કે પાંચ પ્રકલ્પ” through Environment, Cleanliness and Water Conservation Committee in association with Dept. of Renewable Energy Engineering, with an objective to bring awareness about the threats through use of plastic to the environment, and to encourage the use of bio-degradable alternatives to the plastic, organized cleaning of the campus – plastic free campus event on 31/12/2021. Agricultural Engineering Alumni Association Godhra (AEAAG), distributed masks to the students for this event to ensure safety.



Agricultural Engineering Alumni Association Godhra distributed the stationary items like books, pencils, pens, drawing books etc. to poor children's studied in Children Home, Godhra on 24/02/2022.



As a part of Azadi ka Amrut Mahotsav, Agricultural Engineering Alumni Association, Godhra (AEAAG) in collaboration with Indian Red Cross Society, Godhra organized “Voluntary Blood Donation Camp-2021” on 11<sup>th</sup> March 2022 at College of Agricultural Engineering and Technology, Anand Agricultural University, Godhra. The programme was started counselling by Dr. R. K. Chauhan (Retd. Medical Officer, IRCS, Godhra). Total 37 members including faculty members were also actively volunteered in this voluntary blood donation camp.



### 7.13 INSTITUTE INDUSTRY INTERACTION CELL (IIIC)

As a part of “અમૃત મહોત્સવ પર યુવા સંકલ્પ-શ્રેષ્ઠ ભારત કે પાંચ પ્રકલ્પ” through Environment, Cleanliness and Water conservation committee, in a bid to provide in sight in to virtual and technical computing through IRRICAD software, widely used for industry academics and research, the Training and Placement cell & Industry-Institute-Interaction Cell (IIIC) in association with the Department of Renewable Energy Engineering and Soil and Water Conservation Engineering had conducted Expert lecture and introductory training session on IRRICAD: IRRICAD and piped water network design software (on 18<sup>th</sup> December 2021) for UG (Third Year) & PG Students. The workshop served as the culmination of "Connecting the basic studies done by the students and practically observing them by simulating them using virtual demonstration through google earth” and also the advantages of using this software platform which are very helpful for them in future to implement their innovative ideas.



## 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. Sravankumar Jogunuri, Asst. Professor, Department of Renewable Energy Engineering, CAET, Godhra worked as the In-charge, Training and Placement cell.

**Table 8.1 : Details of 4<sup>th</sup> Semester Students Deputed for One Month Summer Training during the year 2021-22**

Sr. No.	Name of Organizations offered Training	No. of Students	Period	Duration (days)
1	TAFE tractors Pvt. Ltd.	6	June 2021	4 Weeks
2	Irrilink drip irrigation industries, Deesa, Gujarat	32	June 2021	4 Weeks
<b>Total</b>		<b>38</b>		

**Table 8.2 Details of 6<sup>th</sup> Semester Students Deputed for One Month Summer Training during the year 2021-22**

Sr. No.	Name of Organizations offered Training	No. of Students	Period	Duration
1	TAFE tractors Pvt. Ltd.	1	June 2021	4 Weeks
2	Irrilink drip irrigation industries, Deesa, Gujarat	1	June 2021	4 Weeks
3	Amreli District Co-Op. Milk Producers Union (AMAR Dairy), Amreli, Gujarat	8	June 2021	4 Weeks
4	Irrilink Drip Irrigation Industries, Vadodara, Gujarat	10	June 2021	4 Weeks
5	Northern Region Farm Machinery Training & Testing Institute (NRFMTTI), Hissar, Haryana	22	June 2021	4 Weeks
<b>Total</b>		<b>42</b>		

**Table 8.3 Details of 8<sup>th</sup> Semester Students deputed for In-Plant trainings during the year 2021-22**

Sr. No.	Name of organizations offered training	No. of Students	Period	Duration
1	Adarsh Tractors (Massey Ferguson Authorized Dealer), Modasa, Gujarat	1	August 2021 to November 2021	8 Weeks
2	Malaiya tractors authorized dealer of Eicher tractors, Jabalpur Naka, Damoh (MP)-470661	1		8 Weeks
3	Eicher Maldaihya tractors	1		8 Weeks
4	Padmavati Tractors (TAFE, Massey Ferguson) , Dahod	1		8 Weeks
5	Ashutosh Tractor, Prachi (Dealer of Mahindra and Mahindra Tractor)	1		8 Weeks
6	Gopinath Motors & Tractors (Eicher Tractor) Wadhwan, Surendranagar, Gujarat	1		8 Weeks
7	Gramin Vikas Trust, Dahod 389151, Gujarat	1		8 Weeks
8	ICAR-Central Institute of Post Harvest Engineering & Technology (CIPHET), Ludhiana, Punjab	2		8 Weeks
9	SUMUL Dairy/Surat District Co-Operative Milk Producers Union Ltd., Surat, Gujarat	2		8 Weeks
10	Harvel Agva India Pvt. Ltd, New Delhi	2		8 Weeks
11	Om Sai Eicher tractors, at. Vaghasi, Anand	2		8 Weeks
12	Shree Bhavnagar District Co-operative Milk Producer Union Ltd., Sarvvottam dairy, Bhavnagar	2		8 Weeks

13	Shri Ranabhai Tractor & Motors, Kuchaman City, Raj.	2		8 Weeks
14	Anand Agricultural University, Gujarat	2		8 Weeks
15	Nilkanth Tractors (TAFE, Messey) Ferguson, Dhangadhra, Guj.	3		8 Weeks
16	GROMAX Agri. Equipments - Venu Enterprise, Dhoraji, Gujarat	4		8 Weeks
17	Captain Tractor Pvt Ltd, Shahpar-Veraval, Rajkot, Guj.	4		8 Weeks
18	Shreeji Auto (Gromax Agricultural Equipment Ltd.), Vansda, Navsari, Gujarat	4		8 Weeks
19	Netafim irrigation india pvt. Ltd., Vadodara, Gujarat	6		8 Weeks
<b>Total</b>		<b>42</b>		

**Table 8.3 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		
2012-13	27	-	13	-	-	14	-
2013-14	27	-	12	-	-	15	-
2014-15	25	-	14	-	-	11	-
2015-16	28	-	21	-	-	07	-
2016-17	34	-	16	1	-	14	3*
2017-18	51	-	20	-	-	10	21*
2018-19	42	-	11	-	-	12	19*
2019-20	39	-	11	-	-	12	16*
2020-21	31	-	02	-	-	14	17*
2021-22**	34	-	-	-	-	-	-
<b>Total</b>		-					

\* Preparing for competitive examinations/higher studies \*\* Academic year completed in financial year 2021-22

### Trainings & Counselling Activities

#### Expert Lecture and Introductory Training session on IRRICAD: Irrigation and piped water network design software

As a part of “अमृत महोत्सव पर युवा संकल्प-श्रेष्ठ भारत के पांय प्रकल्प” through Environment, Cleanliness and Water conservation committee, in a bid to provide in sight in to virtual and technical computing through IRRICAD software, widely used for industry academics and research, the Training and Placement cell & Industry Interaction cell in association with the department of Renewable Energy Engineering and Soil and Water Conservation Engineering had conducted Expert lecture and introductory training session on IRRICAD: IRRICAD and piped water network design software (on 18<sup>th</sup> December 2021) for UG(Third Year) & PG Students. The workshop served as the culmination of "Connecting the basic studies done by the students and practically observing them by simulating them using virtual demonstration through google earth" and also the advantages of using this software platform which are very helpful for them in future to implement their innovative ideas.





## 9. ADMITTED AND PASSED OUT STUDENTS

**Table 9.1 List of Admitted Undergraduate Students during the year**

Sr. No.	Registration No.	Name of the Student
1	3050721001	Angom Hitler Singh
2	3050721002	Ankit Kumar
3	3050721003	Baria Sharmishthaben Juvansinh
4	3050721004	Bhaskar Tiwary
5	3050721005	Chauhan Pradipsinh Shailendrasinh
6	3050721006	Ganasva Jigneshkumar Vinodbhai
7	3050721007	Gohil Parixitkumar Mansinhbhai
8	3050721008	Kunpara Ketankumar Vallabhbhai
9	3050721009	Mori Nasibkumar Vijaybhai
10	3050721010	Ninama Kirtankumar Kanubhai
11	3050721011	Ninama Vaibhavkumar Vidurbhai
12	3050721012	Parmar Divyeshkumar Pravinbhai
13	3050721013	Patel Hil Vinodbhai
14	3050721014	Patel Jahanvi Kamleshkumar
15	3050721015	Patel Khant Pankajkumar
16	3050721016	Pragda Kishan Jigneshbhai
17	3050721017	Rachhadiya Maulik Vinodbhai
18	3050721018	Rathawa Nagendrakumar Ramanbhai
19	3050721019	Rathva Jagrutiben Kishanbhai
20	3050721020	Rathva Jaypalsinh Jashvantsinh
21	3050721021	Raypura Krunalkumar Jagdishbhai
22	3050721022	Sipai Armanbhai Ismailbhai
23	3050721023	Solanki Sanjay Varjangbhai
24	3050721024	Soni Dhruvil Yogeshkumar
25	3050721025	Valvi Priyadarshani Dilipbhai
26	3050721026	Ved Prakash Sharma

### Diploma to Degree Students

Sr. No.	Reg. No.	Name of The Student
1	5050721001	Patel Akashkumar Pragneshkumar
2	5050721002	Soni Maitrik Rajeshkumar
3	5050721003	Vaghela Hardik Bipinbhai
4	5050721004	Valand Nayana Bhagubhai
5	5050721005	Vekariya Smeetkumar Ashokbhai



**Table 9.2 List of Passed out Undergraduate Students during the year**

Sr. No.	Registration No.	Name of Student
1	3050717001	ARVIND KUMAR BHARTI
2	3050717002	BAMAN KIRANKUMAR PUNAMCHAND
3	3050717003	BARAD MAYURBHAI NARASINGBHAI
4	3050717004	BARAIYA DINESHKUMAR MANUBHAI
5	3050717005	BHADARKA MAYURKUMAR MOHANBHAI
6	3050717007	CHAUHAN NIRAVKUMAR VITTHALBHAI
7	3050717008	DABHI YOGESHKUMAR TAPUBHAI
8	3050717012	DOBARIYA PRATIK RAMESHBHAI
9	3050717013	FALDU DHARUVKUMAR JAYSUKHBHAI
10	3050717016	KANAZARIYA UMESHKUMAR BHARATBHAI
11	3050717017	KANDORIYA DARSHAN MANUBHAI
12	3050717018	KAVAD BHAVIN JASHUBHAI
13	3050717019	KOLI VINESH JAGSHIBHAI
14	3050717020	KULDEEP
15	3050717021	MAKRANI ROHAN INTIAJALI
16	3050717022	PAGHADAR AMITKUMAR CHANDUBHAI
17	3050717023	PANCHAL VISHAL BHIKHABHAI
18	3050717024	PARMAR ANILKUMAR CHANDUBHAI
19	3050717025	PARMAR HARISHCHANDRA HEMUBHAI
20	3050717026	PATEL JATIN HARSHADBHAI
21	3050717027	PATEL JIGNESHKUMAR SATISHKUMAR
22	3050717028	PATEL MAYANKKUMAR JAYESHBHAI
23	3050717029	PATEL NIDHI DILIPBHAI
24	3050717030	RADADIYA DHARUVALKUMAR ASHWINBHAI
25	3050717031	SATASIYA JENISHBHAI ASHVINBHAI
26	3050717032	SENMA AKASHBHAI MUKESHBHAI
27	3050717034	SINGH NAVINSINGH SATYENDRASINGH
28	3050717035	SOLANKI VISHALKUMAR KANUBHAI
29	3050717036	SONAGARA VIJAY GOGANBHAI
30	3050717037	SUNIL DANGI
31	5050718001	BHANDERI SUMIT CHIMANBHAI
32	5050718003	KOTADIA PRIYANK UKABHAI
33	5050718004	PANCHAL ANJALI SHIRISHCHANDRA
34	5050718005	PATEL MEETKUMAR SUBHASHCHANDRA
35	05-0331-2016	DODIYA ASMITABEN SAVADASBHAI
36	05-0335-2016	JOTVA PARIKSHITKUMAR JETHABHAI
37	05-0341-2016	PATEL NIRAJ JAGADISHBHAI
38	05-0346-2016	RANK HARSH BHAI MANSUKHBHAI
39	05-0347-2016	RATHOD HARSHIL GHUGHAJIBHAI
40	05-0348-2016	RATHOD SATISHKUMAR RAMANBHAI
41	D5-0358-2017	DAVE RUSHI ASHISHBHAI
42	05-0295-2015	PATEL HARSH DIPAKKUMAR

**Table 9.3 List of Admitted Post Graduate Students during the year**

Discipline	Sr. No.	Name of Student	Registration No.
<b>M. Tech.</b>			
Farm Machinery & Power Engineering	1	SHUBHAM DHAKAD	2050721002
Processing and Food Engineering	1	GANDHI RAJDEEP RAMESHCHANDRA	2050721001
	2	SHRADDHA SETHI	2050721003
<b>In Service Ph. D.</b>			
Renewable Energy Engineering	1	CHAVDA JAGDISHKUMAR JAMNADAS	1050721001
Farm Machinery & Power Engineering	1	GODHANI RAJESHKUMAR SHIVABHAI	1050721002

**Table 9.4 List of Passed out Post Graduate Students during the year 2021-22**

Discipline	Sr. No.	Name of Student	Registration No.
<b>M. Tech.</b>			
Soil and Water Conservation Engineering	1	Premkumara	2050719005
	2	Priyanka Singh Thakur	2050718010
	3	Brahmbhatt Manthankumar Pravinbhai	2050718002
Farm Machinery & Power Engineering	1	Gurav Divyabharati Manik	2050719002
	2	Budhe Vinay Kumar	2050718003
Processing and Food Engineering	1	Rathod Renukaben Kishorbhai	2050719006
<b>In Service Ph. D.</b>			
Soil and Water Conservation Engineering	1	Ram Bhavin Devabhai	04-3339-2017
Processing and Food Engineering	1	Anadani Svatiben Vithalbhai	04-3336-2017
	2	Sayyad farid gayasoddin	04-3051-2016
	3	Jethva kamlesh ramniklal	04-3050-2016

## ICAR ACCREDITATION PEER REVIEW TEAM VISIT

The PEER Review team of ICAR visited the college on 24/03/2022 for the accreditation of the College and its programmes





# STAFF MEMBERS



**:: ADDRESS ::**

**COLLEGE OF AGRICULTURAL ENGINEERING AND TECHNOLOGY  
ANAND AGRICULTURAL UNIVERSITY  
GODHRA-389001, GUJARAT - INDIA**