



Placement Brochure

2 0 2 0

FOR CLASS
2019-20



B.TECH

(Agricultural Engineering)

M.TECH

(Agricultural Engineering)

College of Agricultural Engineering and Technology,
Anand Agricultural University, Godhra-389 001.
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

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

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

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VISIT OF ACCREDITATION COMMITTEE FROM ICAR, NEW DELHI



Editor

Dr. M. K. Tiwari

Asst. Professor, Head (IDE) and
Training and Placement Officer

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Principal and Dean

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ANAND AGRICULTURAL UNIVERSITY
ANAND-388 110, GUJARAT



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Vice Chancellor (I/c)

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MESSAGE

It's a privilege to place before you the '**Placement Brochure-2020**' for the final year B. Tech. and M. Tech. students that is being published out by the College of Agricultural Engineering & Technology, Anand Agricultural University, Godhra.

Agricultural Engineers deal with the tools, techniques, systems and machines for production of goods and services for farming community. The Govt. of India set the target to double the farmers' income by 2022. It would be possible only by vast technological interventions in agriculture. Agricultural Engineers have to play very vital role for realizing Honorable Prime Minister's dream to reality by developing innovative, low cost and eco-friendly technologies which will be affordable to small and marginal farmers.

The College of Agricultural Engineering and Technology (CAET), Anand Agricultural University, Godhra has very good infrastructure, research facilities with state of art laboratories like Irrigation Simulation Lab, GIS and Remote Sensing Lab, CAD-CAM Lab, etc. The students are groomed through academic and research activities in the new emerging areas in agricultural engineering like micro-irrigation, remote sensing and GIS for land and water management, watershed management, precision agriculture, computer aided design, modeling and simulation techniques, natural resource management, biomass and solar energy and value addition in farm produce, etc. I believe that the current batch of students will fulfill the expectations of the society as well as industry with their skill and capabilities for alleviating many obstacles coming across agriculture.

I take this occasion to extend my heartiest welcome to all the prospective employers and best wishes to all the students for their better future endeavor.

Date : 11/12/2019


(R. V. Vyas)



Dr. D. H. Patel

Message from

Director of Students' Welfare

Anand Agricultural University, Anand.

The sense of achievement and satisfaction that comes with the certainty of a job before passing out of the college/institute boosts the morale of the students and the parents. Ever enthusiastic and smart students of the College of Agricultural Engineering and Technology, Godhra of our University are ready for campus placement. As part of this process, they wish to publish "**Placement Brochure-2020**", a booklet containing the information about infrastructure, laboratories, faculty, campus activity and bio-data of B. Tech. (Ag. Engg.) and M. Tech. students. The College of Agricultural Engineering and Technology, Godhra is publishing such booklet every year to highlight their student's achievements and respective career tracks so as to enable the prospective employers known about the current batch of the students.

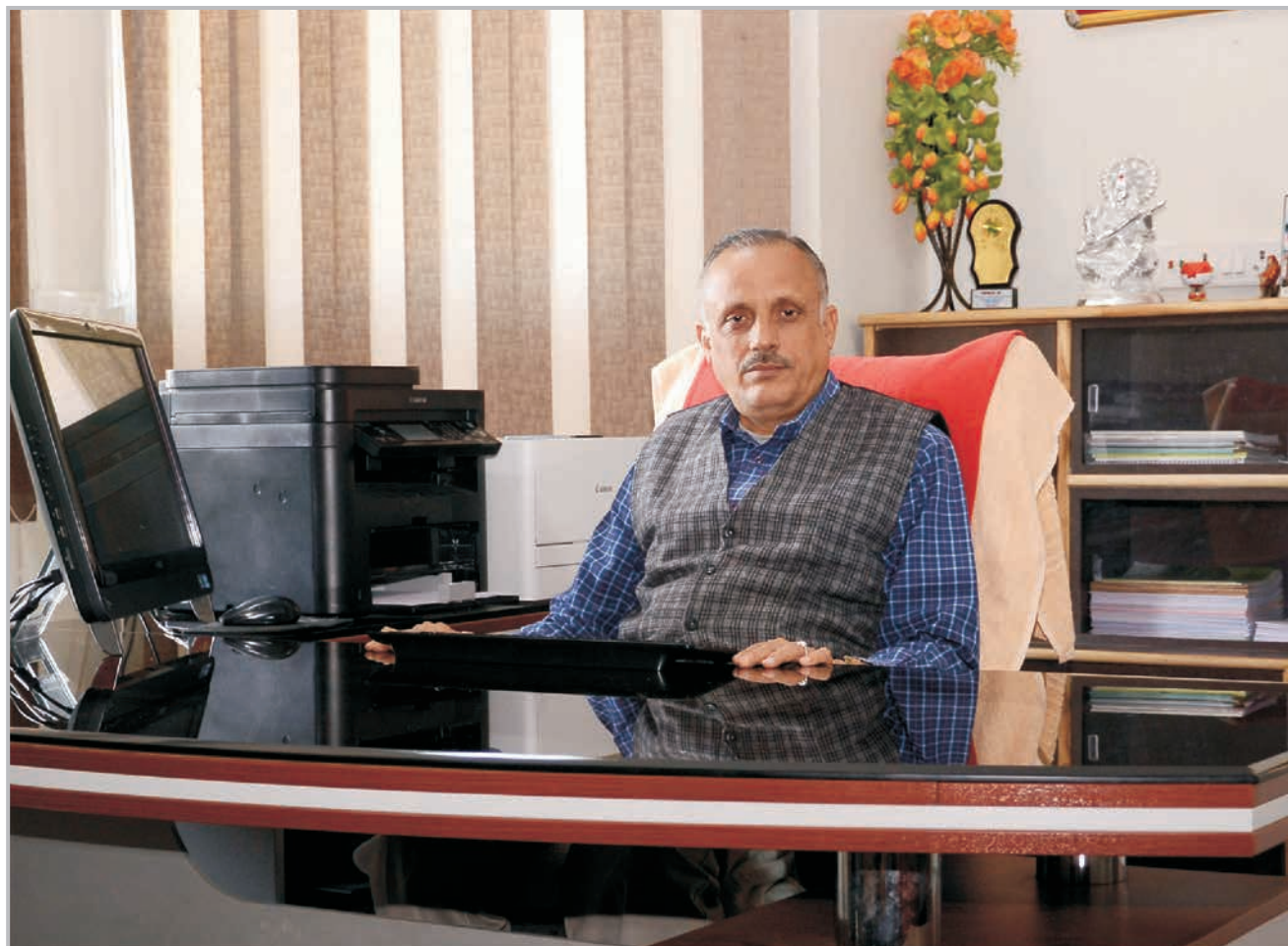
The CAET, Godhra is one of the accredited colleges by ICAR working under shade of Anand Agricultural University, Anand having full-fledged academic program right from UG to Ph. D. in different disciplines of Agricultural Engineering. The students of the college take part in extra-curricular activities and some of the students also represented the University at State and National level. Organizing events in the college has led to enhancement of organizing skills.

Our Training and Placement Cell is always geared up to help our passing out students with lucrative job opportunities. With their great effort students are imparting their "Internships" and "In-plant trainings" at various National levels Training and Research Institutes and in Multi-National companies.

I wish all final year students the very best in their career and feel confident that they will make significant contributions to the industry/organization in the course of their work.

Date : 27/12/2019


(D. H. Patel)



From the Desk of the **Dr. R. Subbaiah** Principal and Dean

It gives me immense pleasure to welcome you to CAET Godhra for the final placement process for the batch of 2019-20. It is a moment of pride for us to present you a group of vibrant, young, dynamic and talented batch of student managers ready to join the corporate world. This batch is exposed to a curriculum that is thoroughly updated and in sync with the demand of modern business scenario.

This institution of higher learning immensely bestows intellect talent possessing, latest analytical, design, practical and managerial skills. Our students are groomed keeping in mind the current needs & challenges of the corporate work environment. It is our continuing endeavour to keep abreast of the challenges and opportunities in the world of business, governance and civil society, shaped by different public policies. Industry feedback tells us that companies find it challenging to cope with government processes. Our Syllabus, Academic inputs & Corporate lecture series enable


building foundation & thought process for a successful corporate career. Our competent faculty and the State-of-the-art infrastructure together with compulsory eight months Student Ready Program at an industry of repute help them in developing their overall personality to meet the challenges at global level and come out with the optimum solutions. Career Guidance and Personality Development Seminars, Workshops and Guest Lectures are organized regularly to improve the performance of students in the job market. Also, to mention, we have left no stone unturned to groom our students, not only in their chosen discipline, but also broaden their mindsets and create positive attitudes thus equipping them with all qualities to make them an asset to whichever institute/organization they may join.

We assure you that our students are adequately equipped with personal and professional skills and industry ready. They are designed to excel in whichever sector they are put to work in. All the students recruited from our college have proved to be a great asset to all the companies/organizations they joined. The confidence of the Corporate has been shown in the recruitment at 100% Placement record of our institute from last five years. We thank all the corporate for their trust & faith in our institute. It is my strong belief that given an opportunity to our present graduates of this great temple of learning would maintain the same level of performance and deliver utmost efficiency to their recruiting organizations/companies.

We extend a warm invitation to the organizations/companies looking for budding engineers to visit our serene campus for a possible human resource par excellence. The placement cell at the college is involved in this process right from the beginning of the year. Be it the preparation of the placement brochure to the summer placements and the final recruitments, their efforts are always directed towards providing the best interface suited to the representatives of an institute of high repute.

I am confident that this group of professionals will be the torchbearers of your organizations, and I recommend them enthusiastically for your consideration. I wish you all a bright prospect through interaction with your experienced teachers so as to enable you to imprint a hallmark in your career. I wish you all the very best in all your future endeavors.

Date : 27/11/2019


(R. Subbiah)

C O N T E N T

College at Glance - a sky view	2
Faculties & Supporting Staff - the Sculptors of CAET	6
Course curriculum - B. Tech (Agril. Engg.) - a mirror for UG students	8
Course curriculum - M. Tech (IDE, SWCE, FMPE, PFE, REE)- a mirror for PG Students	10
Laboratories - a place of practical learning	20
Research and Technology Development Activities - a zeal of institute	21
Other facilities - a spots to overall development of the students	22
Training and Placement Cell - a bridge between students and Industry Partners	
Students' Profile :	
B. Tech (Agril. Engg.) - where your search may end Students' Profile	25
M. Tech (Agril. Engg.) - where your search may end	34
NSS Activities - a place of selfless services	41
Sports and Cultural Activities - recreations and excitations	42



College at a Glance

- a sky view

It is high time when 2nd green revolution knocking the door of nation which may be possible by mechanization of all types farm operations irrespective of crop and land holding, precise and efficient use of inputs including water and energy, reducing the on farm and off farm losses & doing value addition in farm produce and maximum use of non conventional sources of energy and information technology in the process of farm production. To develop, utilize, maintain and spread the technologies to meet above requirements of modern Indian Agriculture, there is high demand of skilled, motivated manpower. To cope up with these needs of nation the College of Agricultural Engineering and Technology was established in 2008 under the shade of Anand Agricultural University, by Government of Gujarat at Godhra, Gujarat. The college offers B.Tech. in Agricultural Engineering, M.Tech in Five disciplines comprising Soil and Water Conservation Engineering, Irrigation and Drainage Engineering, Farm Machinery and Power Engineering, Renewable Energy Engineering and Process and Food Engineering and Ph.D in four disciplines mainly Irrigation and Drainage Engineering, Soil and Water Conservation Engineering, Farm Machinery and Power Engineering, and Processing and Food Engineering.

The college possesses a Training & Placement cell to provide personal and carrier related support to the students with special emphasis on training the students on employability skill and ultimately provide placement in various industries/organizations by arranging Campus drives. Placement cell CARE for the students CAREER by providing the maximum opportunities to explore their potentials in the right direction and look at the employability skills and try to perfectly match with the requirements of the industry. We impart training as a part of our curriculum to mould and shape the personalities and make the students employable.

Goals

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

Objectives

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

Vision

- To be a reputable and credible agricultural engineering college, producing quality graduates at a competitive level in line with the international education philosophy.
- To explore research areas that will significantly contribute to the development of the state of Gujarat and nation as a whole.
- To develop an environment for personal growth, opportunity, knowledge, exposure, personal attention and career directions in line with our nation's inspiration, which 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.



Group Photo

Faculties and Supporting Staff



Faculties and Supporting Staff - *the Sculptors of CAET*

Principal and Dean

Dr. R. Subbaiah,

Ph. D. (IIT, Kharagpur)

Department of Irrigation and Drainage Engineering

Dr. M. K. Tiwari

M. Tech. & Ph.D. (IIT Kharagpur), Asst. Prof. & Head

Er. S. J. Pargi, M.Tech. SRA

Mr. Anil Bamaniya, B.Sc, B.Ed., Lab. Tech.

Department of Farm Machinery & Power Engineering

Dr. R. Swarnkar, Ph.D., Prof. & Head

Dr. M. D. Vora, Ph.D., Asst. Prof.

Er. R. C. Salunkhe, M.Tech, Asst. Prof.

Er. K. L. Dabhi, M.Tech, Asst. Prof.

Er. Rajesh Godhani, B.Tech, SRA

Er. Nirav Solanki, DME, Foreman Instructor

Department of Soil and Water Conservation Engineering

Dr. Pankaj Gupta, Ph.D., Prof.& Head

Er. A. N. Kunapara, M.Tech, Asst. Prof.

Er. Khyati Vyas, M.Tech, SRA

Department of Processing and Food Engineering

Dr. Navneet Kumar, Ph.D., Assoc. Prof.& Head

Dr. Neeraj Seth, Ph.D., Asst. Prof.

Er. Kamlesh. R. Jethva, M. Tech., Asst. Prof.

Er. YagnikYoganandi, M. Tech., SRA

Department of Renewable Energy Engineering

Dr. D. K. Vyas, Ph.D., Assoc. Prof. & Head

Er. J. J. Chavda, B. Tech, SRA

Department of Basic Engineering and Applied Sciences

Er.Kapil Mandloi, M.Tech (Industrial Design), Assistant Professor & Head

Dr. B. A. Amin, Ph.D., Assistant Professor

Ms. HetalTanna, M.Sc., Assistant Professor

Mr. Hardik S. Sharma, M.Phil., Assistant Professor

Dr. Gautam J. Kamani, Ph.D. (Computer Science), Assistant Professor

Ms. Shefali K. Modi, M.Sc (Chemistry), Assistant Professor

Er. Chirag Jadav, M.E. (CAD/CAM), Assistant Professor

Er. J. Sravankumar, M.Tech (Power Electronics & Drives), Assistant Professor

Mr. Nilesh Prajapati, M. Sc. Lab Tech

Mr. Nilesh Patel, ITI, Mechanic

Mr. Rinkesh Talpada, ITI, Craftsman welder

Course curriculum

B. Tech (Agril. Engg.)

- a mirror for UG students

(As per IV Dean Committee, ICAR, New Delhi)

Soil and Water Engineering

- Surveying and Leveling
- Soil Mechanics
- Fluid Mechanics
- Watershed Hydrology
- Ground Water, Wells and Pumps
- Soil and Water Conservation Engineering
- Soil and Water Conservation Structures
- Irrigation Engineering
- Micro Irrigation System Design
- Drainage Engineering
- Remote Sensing & GIS Applications

Agricultural Process Engineering

- Engineering Properties of Biological Materials and Food Quality
- Crop Process Engineering
- Drying and Storage Engineering
- Heat and Mass Transfer
- Dairy and Food Engineering
- Food Packaging Technology
- Development of Processed Products and Equipments
- Food Processing Plant Design and Layout
- Agricultural Structures and Environment Control

Farm Machinery & Power Engineering

- Farm Machinery and Equipment - I
- Farm Machinery and Equipment - II
- Field Operation and Maintenance of Tractors and Farm Machinery - I
- Field Operation and Maintenance of Tractors and Farm Machinery - II
- Farm Power
- Tractor Systems and Controls
- Tractor Design and Testing
- Farm Power and Machinery Management
- Human Engineering and Safety

Renewable Energy

- Renewable Energy Sources
- Renewable Energy Technology
- Biomass Management for Fodder and Energy
- Design of Structures
- Design and Maintenance of Greenhouse

Course curriculum

B. Tech (Agril. Engg.)

- a mirror for UG students

(As per IV Dean Committee, ICAR, New Delhi)

Core Engineering

- Engineering Drawing
- Workshop Practice
- Workshop Technology
- Engineering Mechanics
- Thermodynamics and Heat Engines
- Theory of Machines
- Machine Design
- Strength of Material
- Refrigeration and Air Conditioning
- Machine Drawing and Computer Graphics
- Electrical Circuits
- Electrical Machines and Power Utilization
- Applied Electronics and Instrumentation

Training and Research Activities

- One month Industrial Training after 4th and 6th Semester
- Four Month hands on Training in 8th semester Seminar
- Research Project

Basic Science and Humanities

- Engineering Mathematics-I
- Engineering Mathematics-II
- Engineering Mathematics-III
- Engineering Physics
- Engineering Chemistry
- Computers Programming and Data Structures
- Database Management and Internet Applications
- Environmental Science
- Agriculture for Engineers
- Agribusiness Management and Trade Entrepreneurship Development and
- Communication Skills
- English

Irrigation and Drainage Engineering

- Irrigation Planning and Management
- Design of Surface Irrigation Systems
- Reclamation of Irrigated Lands
- Agricultural Drainage System
- Open Channel Flow
- GIS and Remote Sensing for Resources Management
- Water Resources System Engineering
- Irrigation Economics Planning and Management
- Water Conveyance and Distribution
- Design of Sprinkler and Micro Irrigation System
- Crop Environmental Engineering
- Design of Pumps for Irrigation and Drainage
- Ground Water Engineering
- Soil-Water-Plant Relationship
- Water Supply and Treatment
- Climate Change and Water Resources
- MASTER'S SEMINAR
- SPECIAL PROBLEM
- MASTER'S RESEARCH

Soil and Water Conservation Engineering

- Watershed Hydrology
- Design of Farm Irrigation Systems
- Soil and Water Conservation Engineering
- Ground Water Engineering
- Agricultural Drainage Systems
- Crop Environmental Engineering
- Design of Pumps for Irrigation and Drainage
- Open Channel Flow
- Flow through Porous Media
- Water Resources System Engineering
- GIS and Remote Sensing for Land and Water Resource Management
- Watershed Management and Modeling
- Land Development and Earth Moving
- Machinery
- Master's Seminar
- Special Problem
- Master Research

Course curriculum
M. Tech (Agril. Engg.)
- a mirror for PG students

Farm Machinery & Power Engineering

- Design of Farm Power and Machinery Systems
- Soil Dynamics in Tillage and Traction
- Testing and Evaluation of Tractors and Farm Equipment
- System Simulation and Computer Aided Problem Solving in Engineering
- Applied Instrumentation in Farm Machinery and Stress Analysis
- System Engineering and Productivity
- Farm Machinery Dynamics Noise & Vibrations
- Tractor Design
- Operations Research in Farm Power & Machinery Management
- Ergonomics and Safety in Farm Operations
- Engineering Properties of Biological Materials
- Agro-Energy Audit and Management
- Design and Analysis of Renewable Energy Conversion Systems
- Master's Seminar
- Special Problem
- Master's Research

Process and Food Engineering

- Transport Phenomena in Food Processing
- Engineering Properties of Food Materials
- Advanced Food Process Engineering
- Unit Operations in Food Process Engineering
- Energy Management in Food Processing Industries
- Processing of Cereals, Pulses and Oilseeds
- Food Processing Equipment and Plant Design
- Fruits and Vegetables Process Engineering
- Food Packaging, Food Quality and Safety Engineering
- Food Quality and Safety Engineering
- Farm Structures and Environmental Control
- Storage Engineering and Handling of Agricultural Products
- Seed Drying, Processing and Storage
- Biochemical and Process Engineering
- Master's Seminar
- Special Problem
- Master's Research

Renewable Energy Engineering

- Solar Energy Systems
- Wind Energy Technology
- Biomass Energy Engineering
- Biogas Technology & Mechanism
- Direct Energy Conversion System
- Alternate Fuel Technology & Applications
- System Simulation and Computer Aided Problems Solving In Engineering
- Greenhouse Technology & Management
- Integrated Rural Energy Planning & Organization
- Heat Transfer in Solar Energy
- Energy & Environmental Engineering
- Agro Energy & Audit Management
- Design & Analysis of Renewable Energy Conversion Systems

Laboratories

- a place of practical learning

Department of Irrigation and Drainage Engineering

Irrigation Engineering Laboratory



Drainage Engineering Laboratory



Field Visits



Department of Soil and Water Conservation Engineering

GIS and Remote Sensing Laboratory



Watershed Laboratory



Soil and Water Conservation Engineering Laboratory



Department of Farm Machinery & Power Engineering

Farm Power lab



Farm machinery lab



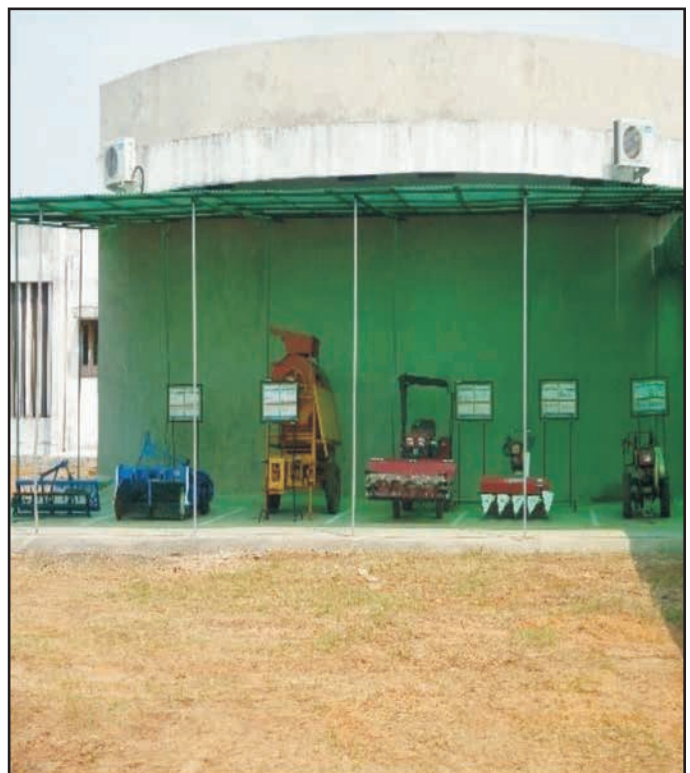
Thermodynamic & IC engine lab



GIS and Remote Sensing Laboratory



Implement Shed



Department of Processing and Food Engineering

Food Engineering Laboratory



Process Engineering Laboratory



Process Engineering Laboratory



Agricultural Structures and Environmental Control Laboratory



Department of Renewable Energy Engineering

Biomass Laboratory



Biofuel Laboratory



Solar Laboratory



Department of Basic Engineering and Applied Sciences

CAD/CAM lab



Workshop (Machine Shop)



Workshop (Carpentry Shop)



Department of Basic Engineering and Applied Sciences

CAD/CAM lab and engineering drawing hall



Electrical Instrumentation and Physics Laboratory



Computer Laboratory



Department of Basic Engineering and Applied Sciences

Chemistry Laboratory



Different section of basic mechanical engineering laboratory i.e Machine Design, Engineering Mechanics, Refrigeration & Air conditioning



Research and Technologies Development - a zeal of institute

All departments are extensively and continuously carrying out research activities to fulfill the needs of farmer and industry. All the students of UG (B. Tech.) and PG (M. Tech./Ph.D.) are actively involved in research activities through their research projects.

No. of Project conducted by passing out B. Tech students in year 2019-20

Name of Deptt.	No. of Project
IDE	1
SWCE	1
FMPE	6
PFE	4
REE	1
BEAS	3

Status of PG (M. Tech) Students till date

Name of Department	M.TECH	Ph. D.	In-service M. Tech.	In-service Ph. D.
FMPE	23	2	2	5
SWCE	37	6	0	2
PFE	11	1	2	5
REE	2	0	1	1
IDE	2	2	0	1
Total	75	11	5	14

Status of PG (M. Tech.) student till date Pass Out :

Name of Department	M.TECH	Ph. D.	In-service M. Tech.	In-service Ph. D.
FMPE	20	0	1	4
SWCE	22	0	0	1
PFE	6	0	1	0
REE	1	0	0	1
IDE	0	0	0	0
Total	49	0	2	6

No. of student doing PG 2019-20 :

Name of Department	M.TECH	Ph. D.	In-service M. Tech.	In-service Ph. D.
FMPE	3	2	1	1
SWCE	9	5	0	1
PFE	1	2	0	1
REE	4	1	1	4
IDE	1	0	1	0
Total	18	10	3	7

Other Facilities

a spots to overall development of the students



Library: Air conditioned Library cum Reading Room with more than 3000 books and citations and connected with Central Library through net access to all e-journals available on ICAR e-CeRA platform



Auditorium: Central AC with 500 seating capacity



Seminar Hall and Committee Room : Well furnished and equipped with AC and Audio-Visual aids



Hostels: Two Boys and one Girls Hostel with all modern amenities and 24x7 Wi-Fi connections

Training and Placement Cell

- a bridge between students and Industry Partners

- ✓ Well Furnished and documented Training and Placement Cell is unique identity of the college.
- ✓ The cell is always trying to expand and make healthy relationships with industry and corporate sector.
- ✓ The students of the college getting 'Internship' and 'In-Plant Training' in various Central and State Government organizations along with Private companies related to the field of Agricultural Engineering.
- ✓ National Level 'Student READY' Program conducted by ICAR, New Delhi is implemented in the college to make the student ready for corporate culture.



Students Deputed for In-Plant Trainings during the Last Five Years (February-May)

SN	Name of Organizations offered Training	SN	Name of Organizations offered Training
1	Captain Tractors Pvt. Ltd., Rajkot	10	Sardar Patel Renewable Energy Research Institute (SPRERI), Anand
2	Bharat Agro Engineering, Shaper - Veraval, Rajkot	11	BISAG - Bhaskaracharya Institute for Space Applications and Geo-informatics, Gandhinagar
3	NETAFIM, Irrigation Private Limited, Vadodara	12	Jain Irrigation Systems Ltd, Jalgaon-425 001.
4	Signet Industries Ltd., Baroda	13	Sadguru Water and Development Foundation, Dahod
5	Amidhara Drip Irrigation, Anand	14	Patson Foods (India) Pvt. Ltd., Navsari-396463. Gujarat, India
6	Balson Polyplast Pvt. Ltd, Rajkot	15	Central Horticultural Experiment Station (ICAR-CIAH), Vejalpur, Gujarat
7	Finolex Plasson Industries Pvt. Ltd, Vadodara		
8	CIPHET, Ludhiana		
9	L'obel Solar Power System, Vadodara		

Past Employers where the students are placed

SN	Name of Organizations offered Training
1	Mahindra & Mahindra Ltd. (Swaraj Division), Mohali, Punjab
2	Tractor and Farm Equipment Ltd., (TAFE) Ahmedabad
3	Captain Tractors Pvt. Ltd., Rajkot
4	Jain Irrigation Systems Ltd., Jalgaon
5	NETAFIM, Irrigation Pvt. Ltd., Vadodara
6	Finolex Plasson Industries Pvt. Ltd., Vadodara
7	Donga Watertech Pvt. Ltd., Eyaya, Ta: Sanand, Gujarat
8	Vistaar Financial Services Pvt. Ltd., Bengaluru
9	Signet Industries, Vadodara
10	Gujarat Green Revolution Company, Vadodara

Industry Partners for training and placement



Glimpses of last year Campus Placement





Students' Profile

B. Tech (Agril. Engg.)

-where your search may end



Name : **ABHI MISTRY**
 Date of Birth : 07th Oct 1998
 Contact no. : +91 8320139095
 E-mail : abhimistry20@gmail.com
 Address : 47, Tirth Bunglows-2, b/h GCET College, Nr. bakrol gate Bakrol, Anand Gujarat 388315
 B. Tech Project : Modification and comparative performance of two row mini tractor operated automatic potato planter.
 B. Tech Training : 1. Central Farm Machinery Training & Testing Institute (CFMTTI), Budni, Madhya Pradesh.
 2. CIAE-Central Institute of Agricultural Engineering, Nabi bagh, Bhopal

Name : **BHAGORASHAR MISHTHABEN KANUBHAI**
 Date of Birth : 15th June 1999
 Contact no. : 7435989316
 E-mail : sharmishthabagora611@gmail.com
 Address : At : Padaliya, Post : Rupakheda, Ta : Fatepura, Dist:Dahod
 B. Tech Project : Biomass combustor drying of beetroot
 B. Tech Training : 1. Northern Region Farm Machinery Training & Testing Institute, Hisar (Haryana)
 2. ICAR-Central Institute of Post-Harvest Engineering and Technology, Ludhiana



Name : **CHAUDHARY NITINBHAIASHVINBHAI**
 Date of Birth : 16th Dec 1998
 Contact no. : 9898431322
 E-mail : nitin.c.9898431322@gmail.com
 Address : Vill: Dhaka Ta: Dhanera, Dist: Banaskantha
 B. Tech Project : Optimization of dimensions of Ground wheel using CAD tool.
 B. Tech Training : 1. Amulfed dairy, Gandhinagar
 2. Netafim irrigationPvtLtd.,Vadodra

Name : **CHAUDHARY VIPULKUMARISHWARBHAI**
 Date of Birth : 3rd January 1999
 Contact no. : +91 9904958403
 E-mail : vipulchaudhary207@gmail.com
 Address : Vi:Kotada Deodar, Ta: Diyodar, Dist:Banaskantha, 385330
 B. Tech Project : Optimization of dimensions of Ground wheel using CAD tool.
 B. Tech Training : 1. Amulfed dairy, Gandhinagar
 2. Netafim irrigation Pvt Ltd.,Vadodra





Name : **CHAVDA SIDHDHARAJ SINH**
 Date of Birth : 18th Oct 1998
 Contact no. : +91 9924559659
 E-mail : sidhdhrajchavda18@gmail.com
 Address : Vill : Adpokar, Ta : Kodinar, Dist:Girsomnath-362720
 B. Tech Project : Drying practices for maize cob
 B. Tech Training : 1. ICAR-Indian Institute of Soil & Water Conservation, Vasad.
 2. North Region Farm Machinery Training & Testing Institute (NRFMTTI), Hisar, Haryana.

Name : **DESAI NAIMISHMANSUKHBHAI**
 Date of Birth : 15th Aug 1999
 Contact no. : 7984256237
 E-mail : nmdesai1999@gmail.com
 Address : Vill : Sanganva, Ta: Lodhika, Dist: Rajkot 360035
 B. Tech Project : Performance evaluation of self powered pull and push type sprayer
 B. Tech Training : 1. IIFPT Indian Institute Of Food Processing and Technology, Thanjavur
 2. Amar Dairy, Amreli



Name : **DHANDHALY AAKSHAY BHUPATBHAI**
 Date of Birth : 21st March 1999
 Contact no. : +919106114834
 E-mail : akshaydhandhalya2103@gmail.com
 Address : B/67-68A, Parmeshwar park, Talaja road near Top3, Bhavnagar 364002
 B. Tech Project : Performance study of modified wooden plough
 B. Tech Training : 1. Indian Institute of Food Processing Technology (IIFPT), Thanjavur, Tamilnadu
 2. Jain Irrigation system Ltd., Jalgaon, Maharashtra.



Name : **DODIYA BHAVSINH MASARIBHAI**
 Date of Birth : 25th July, 1999
 Contact no. : 7016180427
 E-mail : dodiyabhavsinhm@gmail.com
 Address : Vill : bhetali, ta:veraval, dist:somnath 362150
 B. Tech Project : Evaluation of maize dehusker
 B. Tech Training : 1. Indian Institute of Food Processing Technology(IIFPT), Thanjavur, Tamilnadu
 2. Amar dairy, Amreli





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B. Tech Project : Comparative drying study of aampapad
B. Tech Training : 1. Central Institute for arid horticulture, Vejalpur ,Panchmahal
2. Central Institute Of Agricultural Engineering CIAE, Nabibagh, Bhopal

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B. Tech Project : Estimation of Actual Evapotranspiration based on the Remote Sensing and GIS.
B. Tech Training : 1. IIFPT Indian Institute Of Food Processing And Technology, Thanjavur,Tamilnadu
2. Jain Irrigation System Ltd, Jalgaon, Maharastra.



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B. Tech Project : Development of Batch type Refractive window drayer.
B. Tech Training : 1. Northern Region Farm Machinery Training and Testing Institute(NRFMTTI),Hisar, Haryana
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B. Tech Project : Development of batch type refractive window dryer
B. Tech Training : 1. ICAR-Central Institute Of Post-Harvest Engineering and Technology,Ludhiana
2. IISWC Kota Rajasthan





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B. Tech Project : Development of pest repeller
B. Tech Training : 1. Central Farm Machinery Training & Testing Institute (CFMTTI), Budni, Madhya Pradesh.
2. Central Institute Of Agricultural Engineering CIAE Nabi bagh, Bhopal

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B. Tech Project : Performance evaluation of reaper.
B. Tech Training : 1. BalsonirrigationPvt Ltd., Rajkot
2. AmulfedDairy,Gandhinagar



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B. Tech Project : Performance study of combined tillage tool
B. Tech Training : 1. Indian Institute of Food Processing Technology (IIFPT), Thanjavur, Tamilnadu
2. CIAE-Central Institute Of Agricultural Engineering, Nabi bagh, Bhopal



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B. Tech Project : Performance evaluation of reaper.
B. Tech Training : 1. Central Institute for arid horticulture, Vejalpur, Panchmahal
2. Netafim Irrigation Pvt. Ltd., Vadodara





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B. Tech Project : Development of pest repeller
B. Tech Training : 1. Indian Institute of Food Processing Technology (IIFPT),
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2. Netafim irrigation Pvt Ltd., Vadodra

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B. Tech Project : Performance study of modified wooden plough
B. Tech Training : 1. Indian Institute of Food Processing Technology (IIFPT),
Thanjavur, Tamilnadu
2. Jain Irrigation system Ltd., Jalgaon, Maharashtra.



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B. Tech Project : Performance evaluation of push and pull type sprayer
B. Tech Training : 1. ICAR-Indian Institute of Soil & Water Conservation, Vasad.
2. North Region Farm Machinery Training & Testing Institute (NRFMTTI), Hisar, Haryana.



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B. Tech Project : Modification and comparative performance of two row mini tractor operated automatic potato planter.
B. Tech Training : 1. Southern Region Farm Machinery Training and Testing Institute (SRFMTTI) Anantapur , A.P.
2. CIAE - Central Institute Of Agricultural Engineering , Nabi Bagh, Bhopal, M.P.





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B. Tech Project : Evaluation of drying kinetics in multipurpose solar cabinet food processor
B. Tech Training : 1. Central Farm Machinery Training & Testing Institute (CFMTTI), Budni, Madhya Pradesh.
2. ICAR-Central Institute of Post-Harvest Engineering and Technology, Ludhiana

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B. Tech Project : Evolution of (Solar) drying kinetics in multipurpose solar cabinet food processor.
B. Tech Training : 1. Balson irrigation Pvt Ltd., Rajkot
2. Amar Dairy Amreli.



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B. Tech Project : Evaluation of maize dehusker
B. Tech Training : 1. IIFPT Indian Institute Of Food Processing And Technology, Thanjavur, Tamilnadu
2. Jain Irrigation System Ltd, Jalgaon, Maharashtra.



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B. Tech Project : Estimation of Actual Evapotranspiration based on the Remote Sensing and GIS.
B. Tech Training : 1. IIFPT Indian Institute Of Food Processing And Technology, Thanjavur, Tamilnadu
2. Jain Irrigation System Ltd, Jalgaon, Maharashtra.





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 B. Tech Project : Modelling of wetting pattern under trickle point source
 B. Tech Training : 1. Balson irrigation pvt. Ltd
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 B. Tech Project : Performance study of combined tillage tool
 B. Tech Training : 1. Southern Region Farm Machinery Training and Testing Institute (SRFMTTI) Anantapur , A.P
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 B. Tech Project : Drying practices for maize cob
 B. Tech Training : 1. ICAR-Indian Institute of Soil & Water Conservation, Vasad.
 2. North Region Farm Machinery Training & Testing Institute (NRFMTTI), Hisar, Haryana.



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 B. Tech Project : Development of perforated bin for storage.
 B. Tech Training : 1. Central Farm Machinery Training & Testing Institute (CFMTTI), Budni, Madhya Pradesh.
 2. North Region Farm Machinery Training & Testing Institute (NRFMTTI), Hisar, Haryana.





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B. Tech Project : Comparative drying study of AamPapad
B. Tech Training : 1. Northern Region Farm Machinery Training & Testing Institute, Hisar(Haryana)
2. ICAR-Central Institute Of Post-Harvest Engineering and Technology,Ludhiana

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B. Tech Project : Biomass combustor drying of beetroot
B. Tech Training : 1. Northern Region Farm Machinery Training & Testing Institute, Hisar (Haryana)
2. ICAR-Central Institute Of Post-Harvest Engineering and Technology, Ludhiana



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B. Tech Project : Development of perforated bin for storage.
B. Tech Training : 1. ICAR-Indian Institute of Soil & Water Conservation, Vasad.
2. North Region Farm Machinery Training & Testing Institute (NRFMTTI), Hisar, Haryana.



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B. Tech Project : Modelling of wetting pattern under trickle point source
B. Tech Training : 1. Gram Vikas Trust Dahod
2. Netafim Irrigation Pvt. Ltd., Vadodara





Students' Profile

M. Tech (Agril. Engg.)

-where your search may end



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M. Tech Specialization : Soil and Water Conservation Engineering
B. Tech Project : "PERFORMANCE EVALUATION OF DISTRIBUTARIES UNDER PANAM CANAL COMMAND IN THE MIDDLE GUJARAT REGION"
M. Tech Project : "INVESTIGATION OF THE VARIABILITY OF SPI AND SPEI DROUGHT INDICES USING DISCRETE WAVELET TRANSFORMATION IN CONJUNCTION WITH THE MANN-KENDALL TEST"
B. Tech Training : 1. Four Month In-Plant and On-Field Training on Micro Irrigation Systems at Finolex Plasson Industries Pvt. Ltd. Vadodara-391740 during 1st February 2018 to 31st May 2018.
2. One Month Training Course on Farm Machinery and Power Engineering at Central Farm Machinery Training and Testing Institute (CFMTTI), Tractor Nagar, Budni, M.P. during 5th Jun 2017 to 30th Jun 2017.
3. One Month In-Plant Training on Processing and Food Engineering at Green Fiber Foods (India) Pvt. Ltd., Degam-39530, Navsari, Gujarat during 1st June 2016 to 30th June 2016.

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Qualification : B.Tech (Agril. Engg) with OGPA: 7.43
M. Tech Specialization : Farm Machinery and Power Engineering
B. Tech Project : Performance and Economic Evaluation of Sugarcane Trash Shredder
M. Tech Project : A Study on Electrostatic Sprayer
B. Tech Training : 1. One-month training on "Practical Training in Agricultural Engineering (Farm Machinery and Power)" at Central Institute of Agricultural Engineering (ICAR), Bhopal 462038, M.P. during 19-08-2017 to 18-09-2017.
2. One Month Training at Valasumani Farm Machines private Limited during 25-09-2017 to 22-01-2018.
3. Training on Application of Remote Sensing, GIS, AUTOCAD in Agriculture and Water Resource Management from 28-04-2018 to 02-06-2018.





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 Qualification : B.Tech (Agril. Engg.) with 7.83 OGPA
 M. Tech Specialization : Soil and Water Conservation Engineering
 B. Tech Project : EFFECT OF VARIOUS TILLAGE OPERATION ON PHYSICAL PROPERTIES AND INFILTRATION CHARACTERISTICS OF THE SOIL
 M. Tech Project : MORPHOMETRIC BASED PRIORITIZATION OF SUB WATERSHEDS FOR SOIL AND WATER CONSERVATION MEASURES USING RS AND GIS
 B. Tech Training : 1. Four Month On-Field Training on Drip Irrigation Systems at Netafim Irrigation India Pvt. Ltd. during 1st February 2018 to 31st May 2018.
 2. One Month In-Plant Training program on Study of Tomato processing Pilot Plant at ICAR - Central Institute of Post Harvest Engineering and Technology , Ludhiana during 1st June 2017 to 30th June 2017.
 3. One Month Training Course on Farm Machinery and Power Engineering at Central Farm Machinery Training and Testing Institute (CFMTTI), Tractor Nagar, Budni, M.P. during 6th Jun 2016 to 30th Jun 2016.

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 Qualification : B.Tech. (Agril. Engg) with OGPA: 7.84
 M. Tech Specialization : Soil and Water Conservation Engineering
 B. Tech Project : Development of an Electronic Speed Controller using Pulse Width Modulation Technique for Differential Speed Applications
 M. Tech Project : Identification of Sites for Ground water Recharge Structures by Mapping of Lineaments and Stream Networks
 B. Tech Training : 1. IN-PLANT TRAINING o IIFPT o 1ST JUNE - 1ST JULY (2016)
 1-month intensive training programme (Certified)
 INDIAN INSTITUTE OF FOOD PROCESSING TECHNOLOGY
 THANJAVUR, TAMILNADU
 2. TRAINING o IISWCRC o 1ST JUNE - 1ST JULY (2017)
 1-month intensive training programme (Certified)
 INDIAN INSTITUTE OF SOIL & WATER CONSERVATION
 RESEARCH CENTRE, VASAD, GUJARAT
 3. IN-PLANT TRAINING o SIL o 1ST FEB - 30TH MAY (2018)
 4-month on-field training programme (Certified)
 SIGNET INDUSTRIES LIMITED, DAHOD





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B. Tech. Project : "DESIGN AND DEVELOPMENT OF MANUAL OPERATED HAND PULL AND PUSH SPRAYER"
M. Tech. Project : "DESIGN AND DEVELOPMENT OF SCREW PRESS TYPE BRIQUETTING MACHINE"
B. Tech. Trainings : 1. Four Month Training Farm Power and Machinery Engineering at Captain Tractor Private Limited (Rajkot) during (1st Feb 2018 to 31st May 2018).
2. One Month Training programme on Operation/Maintenance of Agro. Processing Equipment, Agricultural Energy & Power and Irrigation & Drainage Engineering at ICAR- Central Institute of Agricultural Engineering, Bhopal during (1st June, 2017 to 30th June, 2017).
3. One Month In-plant training programme on Food Processing, Value Addition and Technology Management conducted by the Indian Institute of Crop Processing Technology during (1st June, 2016 to 30th June, 2016).

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M. Tech Specialization : PROCESSING AND FOOD ENGINEERING
B. Tech Project : "DEVELOPMENT OF DEHYDRATED SWEET CORN HALWA USING RESPONSE SURFACE METHODOLOGY"
M. Tech Project : "DEVELOPMENT OF CARROT POMACE BLENDED DEHYDRATED SWEET CORN HALWA"
B. Tech Training : 1. ICAR- Central Institute of Post-Harvest Engineering & Technology, Ludhiana- 141 001, Punjab (1st Feb 2018 to 31st May 2018).
2. Schmittens Chocolates, Rajhans Nutriments Pvt. Ltd., Surat (1st June 2017 to 30th June 2017).
3. Indian Institute of Food Processing Technology (formerly IICPT), Ministry of Food Processing Industries, IIFPT, Tamilnadu (Govt. of India). (1st June 2016 to 30th June 2016).





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M. Tech Specialization : Irrigation and Drainage Engineering
B. Tech Project : Automatic irrigation for sandy loam soil.
M. Tech Project : Development and evaluation of artificial intelligence based self executing system for drip irrigation
B. Tech Training : 1. One-month training on "Practical Training in Agricultural Engineering (Soil and water conservation engineering)" at Netafim irrigation India private limited during 01-06-2016 to 01-07-2016.
2. One Month at Indian Institute of Soil & Water Conservation (IISWC), Vasad during 01-06-2017 to 01-07-2017.
3. One month training on "Practical Training in Agricultural Engineering (Soil and water conservation engineering)" at Netafim irrigation India private limited during 01-02-2018 to 30-05-2018.

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M. Tech Specialization : SOIL AND WATER CONSERVATION ENGINEERING
B. Tech Project : FORMULATION OF VILLAGE DEVELOPMENT PLAN THROUGH PARTICIPATORY RURAL APPRAISAL
M. Tech Project : SEDIMENT YIELD ESTIMATION OF PANAM CATCHMENT USING MPSIAC MODEL IN RS AND GIS ENVIRONMENT
B. Tech Training : 1. CENTRAL FARM MACHINERY TRAINING AND TESTING INSTITUTE, BUDNI M.P. FROM 4/07/2016 TO 29/07/2016 ON: 1) operation and maintenance of Tractor and Agriculture Machinery, 2) study of various sub-assemblies of Tractor, 3) introduction of tractor testing activities and testing procedure.
2. Action for Social Advancement ensuring livelihoods with equity and dignity from 5/06/2017 to 5/07/2017 on Revenue Map based Watershed Planning in three villages of Mandla, Dondori and Anuppur districts of Madhya Pradesh
3. Icar- Central Institute Of Agricultural Engineering , Bhopal from 01/01/2018 to 01/05/2018 on Operation / Maintenance of Agro-Processing Equipment/ Technologies, Agricultural Engineering & Power Management and Irrigation & Drainage Engineering





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M. Tech Specialization : Soil and water conservation engineering
B. Tech Project : Design Of Rooftop Rainwater Harvesting System For An Average Size Home
M. Tech Project : Investigation On Spatio-Temporal Variableness Of Remotely Sensed Vegetation Index For Its Regional Geo-Hydrologic Influences At Watershed Scale
B. Tech Training :

1. One-month training course on Agriculture Machinery from Northern Region Farm Machinery Training & Testing Institute, Hisar, Haryana during 05/05/2015 to 29/05/2015
2. One-month practical training on Soil and Water Conservation and Village Development Plan from Lakshya Institute of Development Action and Studies, Katni (M.P.) during 01/06/2016 to 30/06/2016
3. Four months In-plant training on Soil and Water Conservation and Watershed Management at ICAR - Indian Institute of Soil and Water Conservation, Udhagamandalam (T.N.) from 01/01/2017 to 30/04/2017.



Hostel Facilities at CAET, AAU, Godhra



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



Aruni Boys Hostel



Aditi Girls Hostel



Landscapes Around Boys Hostels



Landscapes around Girls Hostels



Outdoor activity area in Girls Hostel

National Service Scheme Activities: -a place of selfless services



Celebration of "International Yoga Day"



Plantation Programme -2019



Celebration of "Swachhta Pakhwada -2019"



Celebration of 'Rashtriya Poshan Maah Abhiyaan - 2019'



Celebration of the Independence Day of our Nation

Sports and Cultural Activities

- recreations and excitations



Participation in Inter collegiate Kho-Kho competition and become University Champion.



Celebrated Ganesh Mahotsav-2018



Celebration of Sharad Pournima with Garaba



Sports Fest-2K18



Fresher's party "Shubharamb-2K18"



Poster Presentation Competition on the occasion of World soil Day-2018



Poster Presentation Competition on the occasion of Engineers Day-2018



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