

ASPEE College of Horticulture Navsari Agricultural University Navsari – 396450



Infrastructure and Facilities Available with College

SN	Inf	rastructure and facilities	No. of units available
1	Ad	ministrative and college building	01
2	Sm	art Classroom / Lecture cum Examination	06
	hal	1	
3	Au	ditorium/ Seminar Hall	01
4	Co	nference Hall	01
5	Co	llege Library	01
6	Rea	ading Hall	01
7	Gir	l's Hostel	02
8	Bo	y's Hostel	03
9	Lal	poratories of different subjects	
	1	Department of Fruit Science & PSMA	02
	2	Department of Vegetable Science	02
	3	Department of Floriculture & Landscape	03
		Architecture	
	4	Department of Post-Harvest Technology	08
	5	Department of Plant Protection	02
	6	Department of Natural Resource	04
		Management	
	7	Department of Basic Science	03
	8	Department of Social Science	03
10	Experimental Farm area (ha.)		46
11	Tra	insport facility (Bus)	02

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Administrative and College Building



Administrative and College Building ASPEE College of Horticulture

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Smart Class Room / Lecture cum Examination Hall









College having six lecture halls to conduct theory classes and examination of Under Graduate and Post Graduate students. The seating capacity of each hall ranging from 80 to 100 students. The lecture halls are well furnished and have been provided with modern

teaching gadgets like LCD projectors and good quality public address system so that the students can hear teacher clearly. The students are taught by using power point presentations during lectures. Principal of the College visits the classrooms during the lectures and practical. In addition, a committee is formed to supervise the examination. The college has facility of smart class rooms for video conferencing, which is useful for the students. CCTV cameras are fitted in all class rooms for effective supervision of teaching and examination, and internet facility is also provided round-the-clock.

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Auditorium/ Seminar Hall





College has well established Swami Vivekananda Hall constructed in year 2012 with plinth Area of 3229 sq.m having seating capacity of 250 persons. The Swami Vivekananda Hall is frequently used for organizing different student's activities as well as for conducting conferences, cultural programme, functions, seminars, etc. Additionally, an Auditorium is available in the University campus.

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Conference Room





A Conference Room of dimension 15×12 m is attached to the office of the Principal and Dean used to conduct the meetings and interaction with staff members, dignitaries, visitors and guest. The room is fully AC and well equipped with modern audio visual system.

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College Library





The library facility with computer and net is available at college level. Various Journals, magazines and newspapers are available in library for the students and the faculty members.

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Reading Hall



The college has a reading hall at the basement of college for the students. It is useful them to spend their free time in reading the material related to their academic, research and general awareness. Capacity of reading hall is about 50 students at a time.

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Hostel facility

The college having four hostels in which two hostels for girl and two hostels for boys. All the hostels are situated in main campus of the University and having different types of facilities for the students.

Contact:

Rector: Dr. Dev Raj, Professor and Head,

Department of Post-Harvest Technology,

ASPEE College of Horticulture, NAU, Navsari.

Contact No. (O): +91 2637 282144 Ext. 202, 203 Mobile: +91 9913753252, Email: drdpandir_phtc@nau.in

Girls' Hostel

ANSUYA Girls' Hostel (For Under Graduate Girls)





Total number of rooms: 23

Accommodation Capacity of Hostel: 44 Beds

Facilities in the Hostel:

Mess, Kitchen, Dining Hall, Purified drinking water, Reading Room, Gym, Sport facility, TV Room, Wi-Fi Connectivity, Newspapers, CCTV camera, Solar system

Contact:

Assistant Rector: Mrs. Hetal R. Rathod, Assistant Professor

Mob No.: +91 9913615259, Email: rathod.rinki09@yahoo.in

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AHALYA Girls' Hostel (For Post Graduate Girls)





Total number of rooms: 22

Accommodation Capacity of Hostel: 44 Beds

Facilities in the Hostel: Mess, Kitchen, Dining Hall, Purified drinking water, Reading Room, Gym, Sport facility, TV Room, Wi-Fi Connectivity, Newspapers, CCTV camera, Solar system

Contact Information:

Assistant Rector: Dr. Sudha Dilip Patil, Assistant Professor

Mob. +91 9726071296 Email: sudha_flori@rediffmail.com

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Boys' Hostel

SWAMI VIVEKANANDA Hostel

(For Under Graduate Boys)





Total number of rooms: 68

Accommodation Capacity of Hostel: 136 Beds

Facilities in the Hostel: Purified drinking water, Reading Room, Gym, Sport facility, TV

Room, Wi-Fi Connectivity, Newspapers, CCTV camera, Solar system

Contact Information:

Assistant Rector: Er. Parag S. Pandit, Assistant Professor (PHT)

Mob No.: +91 7600049187 Email: postharvesttechnology@nau.in

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BAGAYAT Boys' Hostel (For Under Graduate Boys)





Total number of rooms: 30

Accommodation Capacity of Hostel: 90 Beds

Facilities in the Hostel: Mess, Kitchen, Dining Hall, Purified drinking water, Reading Room, Gym, Sport facility, TV Room, Wi-Fi Connectivity, Newspapers, CCTV camera, Solar system

Contact Information:

Assistant Rector: Dr. Avnish Pandey, Assistant Professor (Fruit Science) Mob No.: +91 9913028496, Email: akp15@nau.in

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Department Wise Infrastructure and Facilities Available

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Department of Fruit Science

Department

• Different Laboratories: 02

• Wi-Fi facility.

• Naturally Ventilated Polyhouse and Net House for EPL activities.

• List of important equipment and machines at department of Fruit science

Vacuum oven	Seed germinator
Weight balance	Freeze
Oven or dryer	Seed cabinet
Seed cabinet	Microscope
Blue indiment	pH meter
Trigo new	Projector
Autoclave with S. S. Basket	Canon copier.

Farm

• Experimental Farm Area: 26.0 ha

• Nursery:4.0 ha

• Naturally Ventilated Polyhouses: 04 no.

• Storage Godown: 01 ha

Borewell: 03 no.Pond: 0.5 haTractor: 04



Naturally Ventilated Polyhouses



Poly tunnel



Pond

Department of Vegetable Science

Department

• Well equipped laboratories (2).

1) Leaf Area Meter-1	10) Electronic Microscope-10
2) Hot Air Oven-3	11) Multimedia projector-01
3) Fruit Firmness Tester-1	12) Vertical Autoclave
4) pH tester (Portable)-1	13) Seed divider

- 5) EC Meter-1
- 6) Pyranometer-1
- 7) Temperature & Humidity Data Logger-2
- 8) Digital Vernier Caliper-2
- 9) BOD Incubator-1
- Canon copier.
- Wi-Fi facility.
- Naturally Ventilated Polyhouse and Net House for EPL activities.

14) Illuminated purity work board

15) Working Table

17) flame photometer

16) Camera-02

Farm

- Experimental Farm Area: 5.9 ha
- Nursery
- Naturally Ventilated Polyhouses: 03
- Tuber storage Godown: 01
- Borewell: 01Tractor: 01

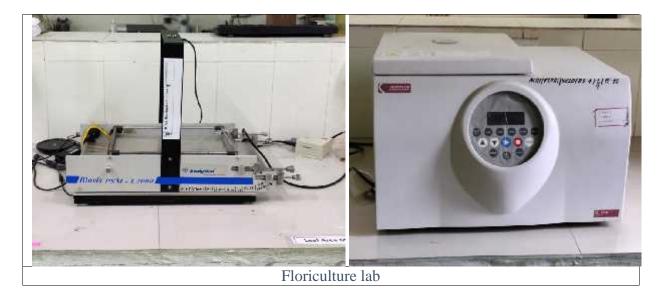
Department of Floriculture & Landscape Architecture

Department

- Different Laboratories:
- Wi-Fi facility.
- Naturally Ventilated Polyhouse and Net House for EPL activities.

Sr. No.	Infrastructure or Facilities available at Department	Area/No.
1.	Laboratory-FLA7(For Biochemical work)	1
2.	Laboratory-FLA6(For general Floriculture work)	1
3.	Gardens(Rooftop garden, Zen garden, Sand garden, Strolling	5
	garden, Vertical garden)	
4.	Laboratory-FLA5(For Value Addition in Flowers)	1

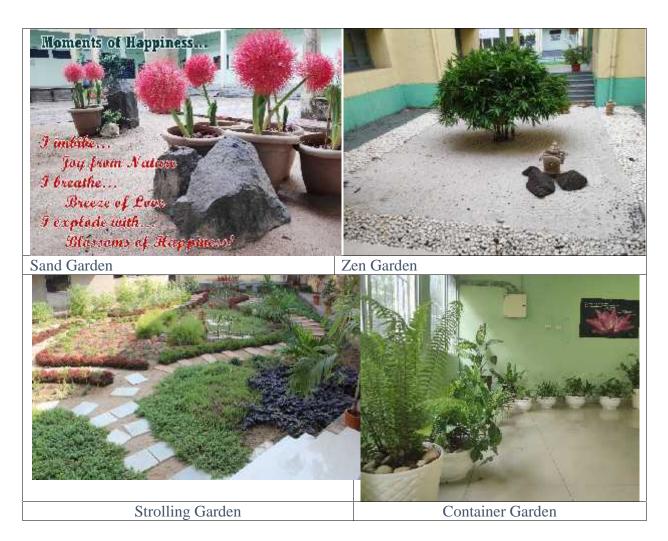








Bio wall



Farm

• Experimental Farm Area: 4.0 ha

Nursery

• Naturally Ventilated Polyhouses: 03

• Tuber storage Godown: 01

Sr. No.	Infrastructure or Facilities available	Area/No.		
1.	Floriculture Research farm (BH12046)			
	Total area	4 ha		
	Naturally Ventilated Polyhouse for orchid	500 m ²		
	Net house for Heliconias	1500 m ²		
	Net house for Bird of Paradise	500 m^2		
	Selling unit net house	750 m ²		
	Net house for cut greens, foliage plants etc.	175 m ²		
	Rain shelter for chrysanthemum, gypsophila etc.	200 m ²		
	Propagation unit	550 m^2		
	Net house for orchids and anthuriums	150 m ²		
2.	Green House Complex (BH 12970)			
	Naturally Ventilated Polyhouse	2 nos. (672 m ²)		
	Fan and Pad type Polyhouse	2 nos. (768 m ²)		
	Net house	2		

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Sr. No.	Infrastructure or Facilities available		
1.	Advanced Training Centre on Soilless Growing system for various		
	crops		
2.	Total area	2 acres	
	Naturally Ventilated Polyhouse	$1(500 \text{ m}^2)$	
	Polyhouse with Fan and Pad system	$1(500 \text{ m}^2)$	
	Ornamental Plant Nursery	$1(500 \text{ m}^2)$	

Rain shelter Store room

Floriculture Research Farm



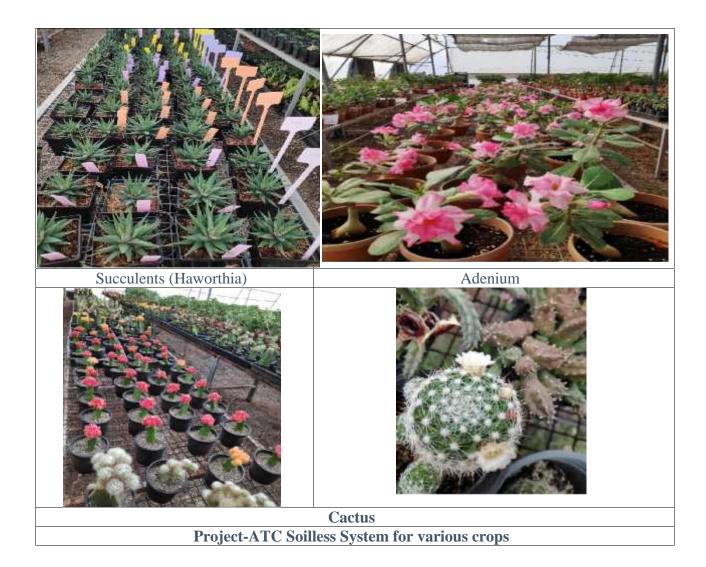


Chrysanthemum Gladiolus



Fan & Pad Polyhouse NV Polyhouse

Green House Complex at ACHF



Department of Post-Harvest Technology

Department has excellent facilities for Teaching, Research & Development and Extension pertaining to Post Harvest Technology of Horticultural crops. Department of Post-Harvest Technology has following facilities for Teaching, Research & Development and Extension:

- ➤ Food Product R & D Laboratory
- Quality Control Laboratory
- ➤ Food Microbiology Laboratory
- > Sensory Laboratory
- Post-Harvest Physiology and Packaging Laboratory
- ➤ Post-Harvest Engineering laboratory
- ➤ UG Laboratory
- ➤ Computer Net-Working Laboratory
- > Seminar / conference Room well equipped with e- teaching aids

Facilities available in laboratories

Autoclave	Blade Mixer	Blanching Tank
BOD Incubator	BOD Portable Meter	Bomb Calorimeter
Box Compression Tester	Box Drop Tester	Bulk Density Meter
Colorimeter	Colony Counter	Deep Freezers
Digital pH Meter	Digital Refractometer	Digital Vernier Caliper
Double Seamer	Extruder	Fermenter
Filter Press	Flanger Hand	Freeze Dryer (lyophilizer)
Gas Analyser	Homogenizer	Hot Air Oven
Hot water Treatment Plant	Hydraulic Juice Press	Ice Flaking Machine
Incubator Shaker	Infrared Dryer	Infrared Moisture Balance
Kjeldal Distillation Apparatus	Laminar Air Flow	Mechanical Dehydrator
Microscope with Camera	Microwave Oven	Moisture Analyser
Multiparameter Meter	N ₂ Estimation Apparatus	Online Data Logger
PE gauge Meter	Pulveriser	Reformer
Refrigerated Centrifuge	Rheometer	Rotary Flat Can Body
Shrink wrapped Machine	Size Grader	Spectrophotometer
Texture Analyser	Vacuum Dryer	Vacuum Packaging Unit
Vibration Testing Machine	Water activity Meter	Water Vapour Transmission
		Rate Meter
Waxing Machine	Weighing Balance	Weight Grader
PCR - Thermo cycler	Electrophoresis Unit	Emulsifier
Flame Photometer	Mini-centrifuge	Magnetic stirrer
Tintometer	Hot Twin Screw Extruder	Laboratory Spray Dryer
Carbonation Unit	Micro-encasulation Unit	Multi parameter Tester
Ice cream making unit	Fluidized bed dryer	

Additional excellence infrastructure

- > Centre of Excellence on Post-Harvest Technology
- Mango and Tomato Processing Plant having capacity of 500 kg per 8 hours
- ➤ Onion Dehydration Plant having capacity of 2 tonnes per 8hours
- > Juice Processing Line having capacity of 50 litre per hour
- > Banana Processing Plant
- ➤ Low Temperature Storage Structure having 20Tcapacity
- ➤ Pre-Cooling Unit having 2.5Tcapacity
- > Fruit Ripening Chambers having 6Tcapacity
- ➤ Controlled Atmosphere Storage Unit having 3Tcapacity
- R.O. Water filtration Unit having 1200 L/h capacity
- > Freeze Drying Unit
- ➤ Heavy duty Spray Dryers
- ➤ Packaging Infrastructure
- ➤ Generator with Power backup facility



Food Product R & D Laboratory



Quality Control Laboratory



Packaging Laboratory



Sensory Laboratory



Food Microbiology Laboratory



Computer Networking Laboratory



Conference Room with e- teachingaids



Class Room with e- teachingaids





Mango Processing Plant Dehydration Plant
Pilot food processing plant at PHT, NAU

Department of Plant Protection

InfrastructureorFacilitiesavailable/created

Sr. No.	InfrastructureorFacilities	Sr. No.	InfrastructureorFacilitiescreated
	available		
1.	Refrigeratedcentrifuge	2.	Spectrafuge
3.	Digitalcolonycounter	4.	Microwaveoven
5.	Analyticaldigitalbalance	6.	Hotairoven
7.	Digitalbalance	8.	Hotwater bath
9.	Orbitalshaker	10.	Laminar airflow
11.	Herbariumcabinets	12.	Verticleautoclave
13.	Electricloopstrilizer	14.	Refrigerator
15.	Microprocessorphsystem	16.	Bodincubator
17.	Elisaplate reader	18.	Elisaplatewasher
19.	Polyacrylamidegel	20.	Compound microscopes
	electrophoresis systems		
21.	Disectingmicroscopes	22.	Centrifuge
23.	Stereozoommicroscope	24.	Microtome
25.	Lab.Projector		

Department of Natural Resource Management

Infrastructure and Facilities at Department

UG Laboratories: 03PG Laboratories: 01

• Instrument room, Store room, sample room and office.

• Wi-Fi facility.

Farm

• Farm Area: 10 ha

• Office, Museum and godawn

• Borewell: 01

• Farm implements, Vermicompost unit, NADEP compost unit, anaerobic compost unit, Net house.

Department of Basic Sciences

- Plant Molecular Biology Laboratory
 Plant Tissue Culture Laboratory
- 3. Glass house, poly house and net house
- 4. Analytical instruments
 5. Banana Tissue Culture Laboratory (under NHM Project)









PG RESEARCH LABORATORY









PLANT TISSUE CULTURE LABORATORY





HARDENING FACILITIES

Department	of Social	Science

Department of Social Science			
Sr. No.	Infrastructure or Facilities available	Area/No.	
1	AV Laboratory of Agril. Extension Education	01	
2	Laboratory of Agril Economics	01	
3	Computer Lab of Agril. Statistics	01	
4	Computers in Computer Lab of Agril. Statistics	25	

Transport facility





The college has two bus providing the transport facility to the students and farmers for field visit and the visits out of college campus.

Biological waste disposal facility:

Any non-hazardous and compostable biological waste/crop residue generated in the college / college farm are disposed of using facility available at farms of the college. The green biological waste/crop residue is composted in 3 NADEP and 2 Compost pits. The crop residue shredder is also available at the farm of ASPEE College of Horticulture & Forestry, which is used to shred the dried waste of different crops/crop residue, later the shredded materials are composted in NADEP pits. The composted waste is used for manure preparation. The biological waste generated from the laboratories in the college is disposed of by following the waste specific scientific procedure.