



**ASPEE College of Horticulture  
Navsari Agricultural University  
Navsari – 396450**



**Infrastructure and Facilities Available with College**

SN	Infrastructure and facilities	No. of units available
1	Administrative and college building	01
2	Smart Classroom / Lecture cum Examination hall	06
3	Auditorium/ Seminar Hall	01
4	Conference Hall	01
5	College Library	01
6	Reading Hall	01
7	Girl's Hostel	02
8	Boy's Hostel	03
9	Laboratories of different subjects	
1	Department of Fruit Science & PSMA	02
2	Department of Vegetable Science	02
3	Department of Floriculture & Landscape Architecture	03
4	Department of Post-Harvest Technology	08
5	Department of Plant Protection	02
6	Department of Natural Resource Management	04
7	Department of Basic Science	03
8	Department of Social Science	03
10	Experimental Farm area (ha.)	46
11	Transport facility (Bus)	02

## 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 x 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](mailto: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](mailto: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](mailto: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](mailto:akp15@nau.in)

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# Department Wise Infrastructure and Facilities Available

## 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 ha
- Tractor : 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	14) Illuminated purity work board 15) Working Table 16) Camera-02 17) flame photometer
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- Canon copier.
- Wi-Fi facility.
- Naturally Ventilated Polyhouse and Net House for EPL activities.

## Farm

- Experimental Farm Area: 5.9 ha
- Nursery
- Naturally Ventilated Polyhouses: 03
- Tuber storage Godown: 01
- Borewell: 01
- Tractor: 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 garden, Vertical garden)	5
4.	Laboratory-FLA5(For Value Addition in Flowers)	1







Floriculture lab



College garden



Roof Top garden



Bio wall



Sand Garden

Zen Garden

Strolling Garden

Container Garden

## 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.	<b>Floriculture Research farm (BH12046)</b>	
	Total area	4 ha
	Naturally Ventilated Polyhouse for orchid	500 m <sup>2</sup>
	Net house for Heliconias	1500 m <sup>2</sup>
	Net house for Bird of Paradise	500 m <sup>2</sup>
	Selling unit net house	750 m <sup>2</sup>
	Net house for cut greens, foliage plants etc.	175 m <sup>2</sup>
	Rain shelter for chrysanthemum, gypsophila etc.	200 m <sup>2</sup>
	Propagation unit	550 m <sup>2</sup>
	Net house for orchids and anthuriums	150 m <sup>2</sup>
2.	<b>Green House Complex (BH 12970)</b>	
	Naturally Ventilated Polyhouse	2 nos. (672 m <sup>2</sup> )
	Fan and Pad type Polyhouse	2 nos. (768 m <sup>2</sup> )
	Net house	2

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Sr. No.	Infrastructure or Facilities available	
1.	<b>Advanced Training Centre on Soilless Growing system for various crops</b>	
2.	Total area	2 acres
	Naturally Ventilated Polyhouse	1(500 m <sup>2</sup> )
	Polyhouse with Fan and Pad system	1(500 m <sup>2</sup> )
	Ornamental Plant Nursery	1(500 m <sup>2</sup> )



Rain shelter

Store room

Floriculture Research Farm



Chrysanthemum

Gladiolus

Floriculture Research Farm



Fan & Pad Polyhouse

NV Polyhouse

Green House Complex at ACHF



Succulents (Haworthia)



Adenium



Cactus

**Project-ATC Soilless System for various crops**

**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 <sub>2</sub> 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-encapsulation 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

### Infrastructure or Facilities available/created

Sr. No.	Infrastructure or Facilities available	Sr. No.	Infrastructure or Facilities created
1.	Refrigerated centrifuge	2.	Spectrafuge
3.	Digital colony counter	4.	Microwave oven
5.	Analytical digital balance	6.	Hot air oven
7.	Digital balance	8.	Hot water bath
9.	Orbital shaker	10.	Laminar airflow
11.	Herbarium cabinets	12.	Verticle autoclave
13.	Electric loop sterilizer	14.	Refrigerator
15.	Microprocessor ph system	16.	Bio incubator
17.	Elisa plate reader	18.	Elisa plate washer
19.	Polyacrylamide gel electrophoresis systems	20.	Compound microscopes
21.	Dissecting microscopes	22.	Centrifuge
23.	Stereo zoom microscope	24.	Microtome
25.	Lab. Projector		

## Department of Natural Resource Management

### Infrastructure and Facilities at Department

- UG Laboratories: 03
- PG 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

1. Plant Molecular Biology Laboratory
2. 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**

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.