



PROFILE



COLLEGE OF FORESTRY
NAVSARI AGRICULTURAL UNIVERSITY
NAVSARI - 396 450 (GUJARAT)



Profile of College of Forestry

College of Forestry

Navsari Agricultural University

Navsari -396 450, Gujarat

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About College of Forestry

Genesis

The Faculty of Forestry came into existence in the year 1988 and started imparting education leading to B.Sc. (Hons.) Forestry degree. Thereafter, PG programmes viz., M.Sc. (Forestry) and Ph.D. (Forestry) degrees commenced from 1993-94 and 2006-07, respectively. On receipt of fund from ICFRE, Dehradun for construction of College and Hostel buildings, a separate College of Forestry was established.

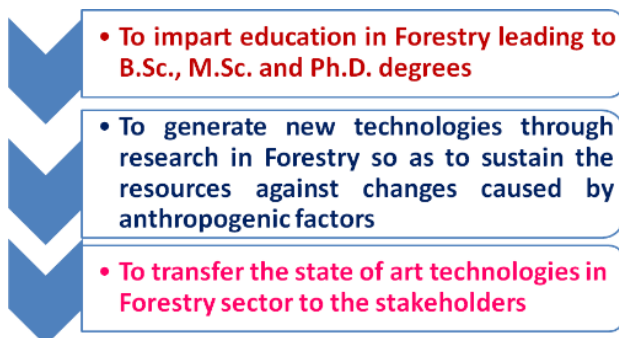
Meanwhile, 31 academic staff were sanctioned in the College during 2010, as per the ICAR recommendations of IV Dean's committee. Thus, College of Forestry started functioning independently from the year 2010 and is accredited by ICAR, New Delhi as well as by ICFRE, Dehradun. ICFRE rated this college as A*.

NAU recognized six departments in the college viz., SAF-Silviculture and Agroforestry, FBTI-Forest Biology and Tree Improvement, FPU-Forest Products and Utilization, FRM- Forest Resource Management, BSH- Basic Science and Humanities and WLS-Wildlife Sciences as per ICAR and ICFRE guidelines. Total 642 B.Sc. (Forestry), 193 M.Sc. (Forestry) and 45 Ph.D. (Forestry) students passed out up to Aug, 2025.

Goals



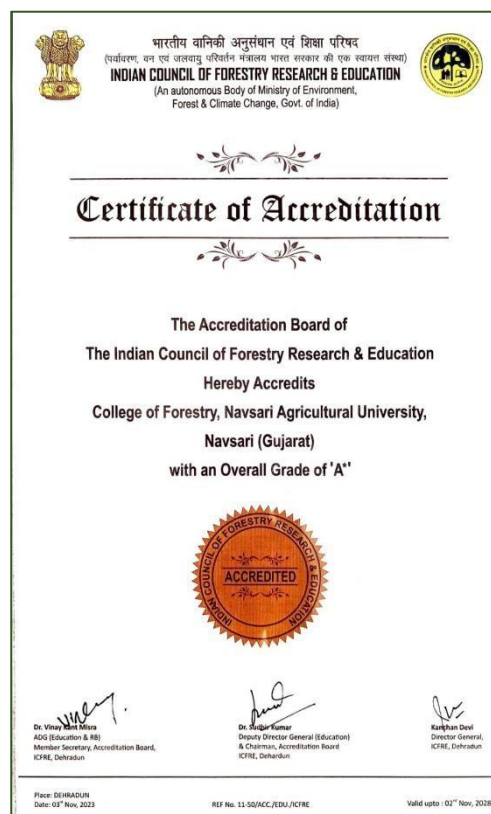
Objectives



A view of the College



Certificate of ICAR Accreditation



Certificate of ICFRE Accreditation

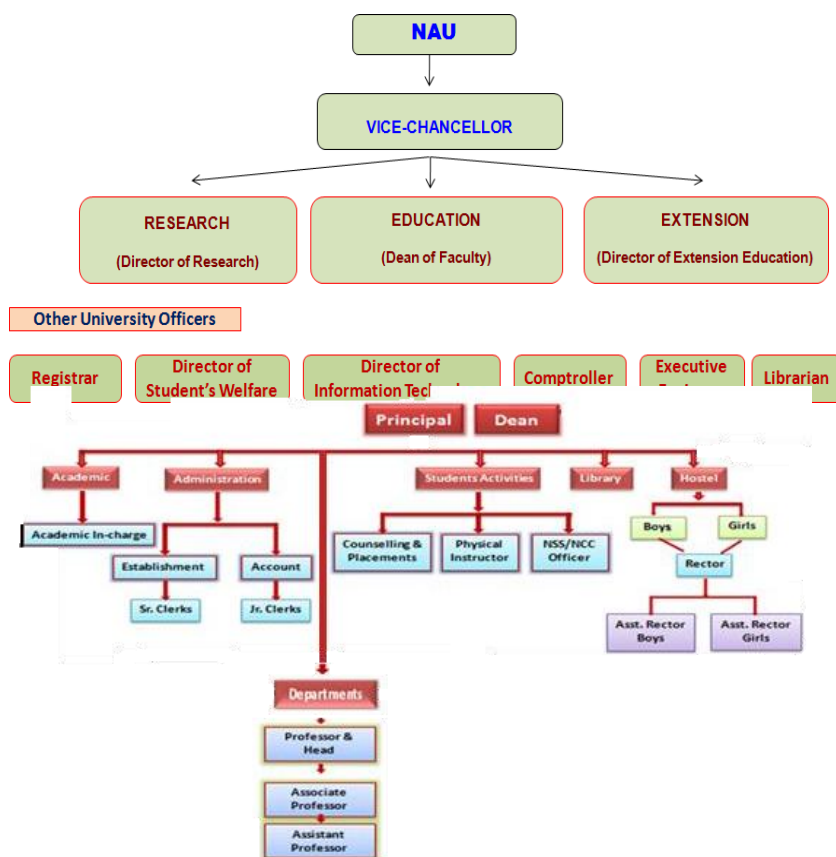


Recognized Departments of the College

University recognized six departments in the College of Forestry as per the recommendations of IV & V Deans' committee recommendation of ICAR, New Delhi as well as BSMA, ICFRE, Dehra Dun. Accordingly, faculty members have been recruited in the following six departments.

- 1 **SAF- Silviculture and Agroforestry**
- 2 **FBTI- Forest Biology and Tree Improvement**
- 3 **FPU- Forest Products Utilization**
- 4 **FRM- Forest Resource Management**
- 5 **WLS- Wildlife Sciences**
- 6 **BSH- Basic Science and Humanities**

Organization Structure of College



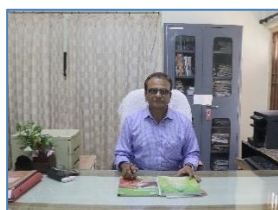
Dr. R. M. Naik
Honorable Vice – Chancellor



Dr. T.R. Ahlawat
Director of Research & Dean
Post Graduate Studies



Dr. H.R. Sharma
Director of Extension
Education



Dr. H.M. Virdia
Registrar



Prof. Jaimin Naik
Director of Students' Welfare



Dr. M.B. Tandel
Principal and Dean



College Level Bodies/Committee/Cell

- Board of Studies in Faculty of Forestry
- Students Representative Committee (SRC)
- Forestry sub-committee of AGRESO
- Placement Cell
- Anti-ragging and Anti-squad Cell/Committee
- Gender Cell
- Purchase Committee
- Recruitment Committee for SRF/RA Positions
- Students Advisory Committee (UG and PG)

Faculty Information

Faculty position (as on Nov. 01, 2025)

A. Strengthening of College of Forestry Plan Project

Position	Sanctioned	Filled	Vacant
Principal	1	0	1
Professor	4	3	1
Associate Professor	10	6	4
Assistant Professor	21	17	4
Total	36	26	10

B. Climate Change Plan Project

Position	Sanctioned	Filled	Vacant
Associate Research Scientist	1	0	1
Assistant Research Scientist	1	0	1
Total	2	0	2

C. Wildlife Plan Project

Position	Sanctioned	Filled	Vacant
Assistant Research Scientist	1	1	0
Total	1	1	0

Department wise staff distribution

Department	Sanctioned faculty positions (39)		
	Professor*	Associate Professor	Assistant Professor
Silviculture & Agroforestry	1	1	8
Forest Biology & Tree improvement	2	1	2
Forest Product & Utilization	0	0	2
Forest Resource Management	0	2	1
Wildlife Sciences	0	0	2
Basic Science & Humanities	0	2	3
Total	3	6	18

*Including one position of Principal



Contractual Services

There are about 5 research scholars working in the College of Forestry on *ad-hoc* basis in different research projects sanctioned by the Government of Gujarat and Central Government Agencies.

Academic Programmes

- | | | |
|---------------------------|-------------------------------------|-------------|
| 1. B.Sc. (Hons.) Forestry | (Duration of 4 years = 8 Semesters) | (86 intake) |
| 2. M.Sc. (Forestry) | (Duration of 2 years = 4 Semesters) | (25 intake) |
| 3. Ph.D. (Forestry) | (Duration of 3 Years = 6 Semesters) | (08 intake) |

M.Sc. Forestry programme accredited by ICAR, New Delhi and BSMA, Dehra Dun

1. Silviculture and Agroforestry
2. Forest Biology and Tree Improvement
3. Forest Products and Utilization
4. Forest Resource Management

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Ph.D. Forestry programme accredited by ICAR, New Delhi and BSMA, Dehra Dun

1. Silviculture and Agroforestry
2. Forest Biology and Tree Improvement
3. Forest Products and Utilization
4. Forest Resource Management

Certificate Course in Nature and Wildlife Photography

A one-year certificate course comprising of theory and practical classes on nature and wildlife photography, which includes field trips for practical training and thematic work. Classes are held on every Saturday.

Details of Courses

Under Graduate Degree Programme in Forestry

B.Sc. (Hons.) Forestry is a four years professional degree programme conducted in eight semesters. Six semesters of theory & practical courses and two semesters are allocated for field and practical exposure through Experiential Learning Programme (ELP, Model-1: Forest Nursery and Model-2. Commercial Apiculture) and Forestry student READY Programme (FRP) as per course curriculum and syllabi of V Deans' committee from the academic year 2017-18. Year 2024-25 onwards, ICAR New Delhi has revived new course curriculum in Agricultural education including Forestry in the form of VI Deans' Committee Report-2024 by including five pillars of NEP-2020 viz., Access, Equity, Quality, Affordability and Accountability. Accordingly, Navsari Agricultural University, Navsari also adopted this course curriculum from the academic year 2024-25 onwards. Course curriculum includes core subjects of forestry, Skill development courses, Internship/Project/Students READY programme, and MOOC/online courses.

Apart from regular graduation, there is an 'exit option' after completion of first year as well as after completion of second year. Example, if any student is interested to discontinue his/her B.Sc. degree in between four years, he/she can avail 'UG-Certificate' course after the completion of second semester with additional 10 weeks internship of 10 credits course, and 'UG-Diploma Certificate' course after completion of fourth semester with additional 10 weeks internship of 10 credits course.



Eligibility criteria for B.Sc. (Hons.) Forestry: Candidates who have passed higher secondary with Physics, Chemistry and Biology (PCB) with English are eligible. The common state level admission notifications are notified in News Papers as well as on official websites (<https://ug.gsauca.in/> or <https://nau.in/index>). Centralized online admission procedure on merit basis is followed by considering weightage of marks obtained in 12th Science stream (PCB) and GUJCET in the ratio of 60:40, respectively. Total intake is (71 State +15 ICAR) including ICAR seat. ICAR admission procedure occurs through CUET conducted by NTA in association with ICAR, New Delhi.

Semester wise courses offered for Undergraduate as per Fifth and Sixth Deans' recommendations

Semesters	Fifth Deans' recommendations		Sixth Deans' recommendations	
	Number of courses offered	Credits	Number of courses offered	Credits
I	08+2*	21 (13+8)	8+1***	22 (11+11)+2***
II	10+2*	25 (16+9)	9	23 (10+13)
III	08+1*	23 (14+9)	10	21 (10+11)
IV	08+2*	24 (14+10)	8	20 (12+8)
V	06+1*+1**	23 (11+12)	8+1***	21 (13+8)+2***
VI	08+1*+1**	25 (12+13)	9	20 (13+7)
VII	07	23 (0+23)	Any one model (out of 5)	20 credits
VIII	05+1*	21 (7+14)	Internship/ Project/ Student READY	20 (0+20)
			MOOCS/ online course	10 credits***
Total Credits	--	185 (87+98)	--	163+14***

*Non-credit course; ** ELP course, ***Non-Gradual

Post Graduate Degree Programme in Forestry

As per the recommendation of Broad Subject Matter Area (BSMA) committee on Forestry report 2022, presently, M.Sc. Forestry degree programme is offered in four disciplines viz., Silviculture and Agroforestry, Forest Biology and Tree Improvement, Forest Products and Utilization, and Forest Resource Management. Similarly, Ph.D. Forestry programme is also offered in these four disciplines from the year 2022 onwards.

Eligibility criteria for M.Sc. and Ph.D. Forestry: For Master's degree, candidate should possess Bachelor degree in Forestry from recognized university with an OGPA of ≥ 6.0 (10.0 scale basis) or its equivalent. For Doctoral degree, candidate should possess M.Sc. in the concern discipline from recognized university with OGPA of ≥ 6.5 (10.0 scale basis) or its equivalent. The common state level admission notifications are notified in News Papers as well as on official websites (<https://pg.gsauca.in/> or <https://nau.in/index>). Centralized online admission procedure on merit basis is followed by considering weightage of marks obtained in the B.Sc./M.Sc. degree and entrance test in the ratio of 50:50, respectively. Total intake is 25-30 for M.Sc. (Forestry) and 5-10 for Ph.D. (Forestry) including ICAR quota, depending upon the availability of Major Advisor.



Course and credit requirement in PG programme as per BSMA committee recommendations:

Subject category	M.Sc. Forestry	Ph.D. Forestry
Major (Core) courses	20	12
Minor (Specialization) courses	08	06
Supporting courses	06	05
Non Gradual Common compulsory courses (Non-Credit)	05	
Credit seminars	01	02 (01 Major + 01 Minor)
Research credits	30	75
Total	70	100

Student's Scholarship/Fellowship aids

Students of graduate and post graduates avail scholarship/fellowship from State Government, Central Government and University level. Students of forestry use to get following scholarship for their academics.

- ICAR-JRF fellowship
- ICAR-NTS-UG fellowship
- ICAR-NTS-PG
- Student's Ready fellowship
- NAU PG fellowship
- NAU Girls meritorious fellowship
- MYSY Scholarship
- Government SC scholarship
- Government ST scholarship
- Government SEBC scholarship
- INSPIRE fellowship
- SHODH fellowship
- Stipends from Experiencing Learning Programme of College

College Infrastructure Development

a. Hostel facilities: Boys students of B.Sc. Forestry are accommodated in the Forestry Hostel. The total capacity of the hostel is 90 students in 30 rooms with separate TV hall, hall for Indore games, and mess. Girls' hostels are established in the separate girls' hostel premises in the NAU Campus. Girls' students of Forestry are staying in the 'Anasuya' UG girls' hostel along with girls' students of horticulture. The capacity of hostel is 90 students in 31 rooms with common facilities of Mess-cum-TV room, indoor game room.

For PG students, common hostel facilities are created to accommodate students of Horticulture and Forestry. Girls' students are staying in the 'Ahalya' PG Girls hostel and Boys are staying in the 'Sankalp' PG-Boys hostel. During 2024-25, ICAR granted funds for construction of Girls hostel for Forestry girls' students. All the PG hostels have internet/Wi-Fi facilities as well as for indoor games.



Forestry Girl's Hostel





b. Modern Class Rooms

Three class rooms for UG, two class rooms for PG and a seminar hall-cum-study room for final year UG students are allocated. State of art laboratories are used to conduct practical classes. Time tables are arranged in such a way that all four UG and two PG batch students could be accommodated in class rooms and laboratories. All Class room are equipped with computer and slide projector for presentation.



Modern Class room



GIS & RS lab



Computer Room

c. Conference Hall

Well-furnished conference hall with 80 seating capacity along with AC, LED TV, slide projector, sound system facilities. This room is used to conduct academic meetings, PG seminars and other scientific programmes, and trainings for farmers, foresters, and other stake holders.



d. Common facilities available in the University Campus

Students are sharing following common facilities available in the campus for education, research, co-curricular activities and stay:

- | | |
|---|-----------------------|
| 1. University (Central) Library | 2. Educatorium |
| 3. Sports Complex | 4. Gymnasium |
| 5. Central Instrumentation lab | 6. Food testing lab |
| 7. Guest house and international hostel | 8. University Canteen |
| 9. Agri-Horti-Vet farm | 10. Auditorium |
| 11. Central Examination Hall | 12. Conference Hall |

e. Laboratory facilities

College is well equipped with standard laboratories with sophisticated instruments, machineries, glass wares and UPS facilities. Established laboratories are Computer lab, Silviculture lab, Tree Improvement lab, Tissue culture lab, Seed Technology lab, Wood Anatomy lab, Forest Product Utilization lab, Environmental lab, Soil and Water lab, RS and GIS lab, Forest Biotechnology lab, and Wildlife Lab. Environmental laboratory is equipped with Gas Chromatograph (GC) for Greenhouse gas analyses.



Silvi-Mensuration Lab



Tissue Culture Lab



Wildlife Lab



Chromatography connected with two detectors-Flame ionization Detector and Electron Capture detector. Methanizer used for the analysis of Carbon dioxide (CO₂), Nitrous oxide (N₂O) and methane (CH₄) in air/gaseous samples. The college has advanced Mensuration instruments for biometry observation of trees and shrubs. Similarly, Biotechnology lab is also well equipped with modern instruments to study the genetic diversity, genomics, plant sex detection and others. Wildlife laboratory also well equipped with modern instruments related to wildlife studies.

f. Instructional Forestry farms

For student's demonstration and research activities, forestry farms are established in the campus which includes Arboretum, Bamboo setum, Biodiversity Conservation Center, Forest Nurseries, Medicinal Plant Nurseries, Experiential Learning Units, Multi-species plantation, Agroforestry trials, Clonal evaluation trials, Bamboo workshop, Wooden workshop, and Tree plantation.



Arboretum



Biodiversity Conservation Center



Agroforestry Farm



Modern Forest Nursery



Nursery Stocks



Multispecies Block Plantation

Curricular Activities

Educational Tour

As a part of course curriculum, students of 7th semester visit different places in the northern India along with tour Advisors for a period of 15 days. Students are taken to various reputed educational and research institutions like ICAR-New Delhi, ICFRE-Dehradun, WII-Dehradun, FRI- Dehradun, CAFRI-Jhansi, AFRI-Jodhpur, CAZRI-Jodhpur, UHF-Solan, NBPGR-New Delhi and other institutions. During the tour, students also visit different National Parks and Wildlife sanctuaries of the northern India.



Glimpses of Educational Tour



Field Training (Forestry Work Experience)

Students of 7th semester visits foremost corners of Gujarat viz., North Gujarat, Middle Gujarat, Saurashtra Forest, South Gujarat. During field visit, students are exposed to various forest types, wildlife sanctuaries, National Parks. Students get the opportunity to interact with forest officials, foresters, field guards during their field visit to different forest range, Forest Depots, Forest Museum; Wood based Industries, Co-operative societies and Farmers fields.



Weapon training for students



Glimpses of Field Training

Students READY programme (Experiential Learning Programme)

Experiential Learning: 1. Medicinal and Forest Plants Nursery and 2. Commercial apiculture are two specializations of “Hands-on training” in Forestry. In this training, students prepare a work plan for the above said modules. An end-to-end approach have been made based on the availability of infrastructure, laboratory, local demand/ regional significant and usefulness of student’s entrepreneurship. A total of 20 credits (10 credits each for both the modules) are allotted for “Hands on Training” and the evaluation of the same is done by the respective course teachers and committee appointed by the Dean.



Glimpses of Experiential Learning training in two different models

Co-Curricular Activities

Sports activities: Both boy and girl students are encouraged to take part in different sports events viz. Chess, Kabaddi, Cricket, Kho-Kho, Volley Ball, Basket Ball, Badminton, Table Tennis and Athletics. Later, they get a chance to participate in inter-collegiate; inter university and national level tournaments.





Cultural activities: Students participate in different cultural events such as Folk Dance, Drama (One act Play), Mime, Mono Acting, Elocution, Extempore, Debates, Essay writing at inter-collegiate, inter university and national level programmes.

NSS Activities: NSS is compulsory non-credit course offered in first to fourth semesters, in which students are engaged in various social activities. Major activities performed by the students are Blood Donation Camps, Thalassemia Check-up Camp, Cleanliness drive, National Integration programme. They also participate in District Level Camps and other special camps under the guidance of NSS co-ordinator.

NCC Activities: NCC is a compulsory non-credit course offered in first four semesters of B.Sc. (Hons) Forestry programme, in which students get exposure of national defense services. Cadets participate in different camps and others activities. Students get opportunity to secure the B and C NCC certificates.



Student's Placement



After graduation, more than 30% students are opting for higher studies and nearly 20-25% of students opt for preparation of competitive examinations including banking, GPSC and UPSC. Rest of the students join the government, semi-government, private organizations, NGOs. Few became entrepreneurs. College places graduates through placement cell to various organizations such as HDFC Bank Ltd, ICICI bank, Du Pont, ILED Infra Tech Pvt. Ltd., Mukesh Associates, New Delhi, Utkarsh Agrotech, UPL-Unimart, FMC India Private Ltd, Reliance Retail Limited, Green Ply industries Ltd., JK Papers Ltd., Maahi Milk Producer Company Ltd, The Aga Khan Rural Support Programme, Reyansh Wood Art. Many of our graduates are working with these firms. Apart from

this, nearly 20-25 Post graduate students are working in various research projects as Research Associates and Research Fellows in different research schemes at the College of Forestry and other organizations. Presently our alumni are serving in the forest department at various capacities. To motivate students, placement cell regularly organizes special lectures on Career Opportunities in Forestry Sectors as well as Entrepreneurship Development Programmes. Graduates are also working in the government sectors through competitive examination conducted by the different organization.



Students in Campus to Corporate programme



Students' involvement in SSIP event

Celebration of various events by the faculty and students

- Celebration of Vanmahotsav
- Celebration of Teacher's Day
- Celebration of World Forestry Day
- Celebration of Wildlife Week
- Celebration of Bamboo Day
- Celebration of Wetlands Day



Celebration of World Bamboo Day



Celebration of World Lion Day



Celebration of Van Mahotshav in local village



Celebration of International Day of Forests



Celebration of Teacher's Day



Celebration of NAU Foundation Day

Organization of State and National level events



NAU-IES-IUFRO conference



Training on Bee-keeping



Training on Basic Molecular Biology



Organization of ICAR- Winter School



Research Progress

Presently, there are about research 23 projects funded by state and central government bodies as well as different organizations. List of on-going research projects are given below. Through these projects, infrastructure developments, laboratories and farms have been strengthened and upgraded. Students are most benefitted through this. Faculty members of forestry use to formulate new experiments and research studies and presents such experiments in the Research body, called *AGRESCO*, which is conducted and monitored by the group of experts at different stages from College to State level. Outcomes of such studies are recommending among the farmers, foresters and other stake holders.

On-going academic and research projects

Sr. No.	Title of Project	Funding Agency	Initiated Year	Principal Investigator
1	Strengthening of College of Forestry	Plan Project, GoG	2009	Dr. M. B. Tandel
2	Research in Agroforestry System	Plan Project, GoG	1998	Dr. M. R. Parmar
3	Strategies to Mitigate the Impact of Climate Change	Plan Project, GoG	2012	Dr. S. V. Viyol
4	Development of Bamboo Resource Center	Plan Project, GoG	2013	Dr. Jayesh Pathak
5	A pilot project for development of aqua-agroforestry model for coastal area of South Gujarat- Dandi	Plan Project, GoG	2013	Dr. M. B. Tandel
6	Determination of carbon sequestration potential of forest tree species of South Gujarat	Plan Project, GoG	2014	Dr. R. P. Gunaga
7	Establishment of Forest Biodiversity Conservation Center	Plan Project, GoG	2016	Dr. S. K. Jha
8	Popularizing <i>Melia composita</i> based agroforestry system in Gujarat through production of quality planting material	Plan Project, GoG	2016	Dr. N. S. Thakur
9	Genetic enhancement of niche crops of South Gujarat through conventional and biotechnological approach	Plan Project, GoG	2017	Dr. V. B. Patel
10	Regeneration technique for lesser known and threatened tree species of South Gujarat	Plan Project, GoG	2018	Dr. L. K. Behera
11	Development of industrial agroforestry models for South Gujarat region	Plan Project, GoG	2018	Dr. V. M. Prajapati
12	Establishment of Department of Wildlife Sciences	Plan Project, GoG	2021	Dr. A. A. Kazi
13	Testing and deployment of clones and seed sources of casuarina for different planting environments and end- use applications	ICFRE, Dehradun	2021	Dr. S. A. Huse
14	Survey, selection, phyto-chemical evaluation, molecular, cytogenetical characterization and multilocation testing of harar in India	NMPB, New Delhi	2021	Dr. M.S. Shankanur



Sr. No.	Title of Project	Funding Agency	Initiated Year	Principal Investigator
15	Strengthening of Bamboo Resource Centre	Plan Project, GoG	2024	Dr. Jayesh Pathak
16	Integrative centre for translation research to explore the worth of plant genetic resources of South Gujarat	Plan Project, GoG	2024	Dr. V. B. Patel
17	Conservation of large carnivores in Gujarat	Plan Project, GoG	2024	Dr. A. A. Kazi
18	Development of Api-forestry model for sustainable beekeeping through participatory approach in South Gujarat	Plan Project, GoG	2024	Dr. A. A. Mehta
19	Establishment of Centre for Geospatial Research, Educational and Training	Plan Project, GoG	2024	Dr. S. V. Viyol
20	Scientific Utilization of NTFPs and medicinal plants (Unit II of NAHEP-CAAST subproject internal resources)	Internal Resource	2024	Dr. R. P. Gunaga
21	Establishment of Center for Tree Seed on Native Species of South Gujarat	Plan Project, GoG	2026	Dr. R. S. Chauhan
22	Development of Supply Chain Strategies for Important Non-Timber Forest Product (NTFT) Resources of South Gujarat	Plan Project, GoG	2026	Dr. M. S. Sankanur

Apart from these research projects, there are few revolving schemes that help the students, staff for conducting experiments, organization events, and infrastructure development.

Recently completed research projects

Sr. No.	Title of Project	Funding Agency	Period	Principal Investigator
1	Establishment of secondary agriculture unit for skill development in students and farmers at NAU: Scientific Utilization of NTFPs and medicinal plants	NAHEP-CAAST (World Bank Funded)	2018 to 2024	Dr. R. P. Gunaga
2	Development of descriptors and DUS testing guidelines for <i>Eucalyptus urophylla</i> , <i>E. globulus</i> and <i>E. grandis</i>	PPVFRA, New Delhi	2019 to 2024	Dr. S. A. Huse
3	Ecological status and socio-economic efficacy of Mahua resources in Valsad district	Forest Department, GoG	2021 to 2024	Dr. H. T. Hegde
4	Wood and morphological characterization of Valsad teak for potentiality of GI tagging	Forest Department, GoG	2021 to 2024	Dr. S. K. Jha



5	Establishment of Honey Testing Laboratory for Detection of Adulteration, Assessment of Thermo chemical and Microbial Parameters in Honey	NBB, New Delhi	2022 to 2023	Dr. A. A. Mehta
6	Promotion of bee friendly tree plantation in salt affected areas of south Gujarat & Training programme	NBB, New Delhi	2022 to 2023	Dr. A. A. Mehta

Medals & Awards received by staff and students

Toppers of B.Sc. (Hons.) Forestry, M.Sc. Forestry and Ph.D. Forestry receive Gold Medals in the annual convocation of NAU. College of Forestry received Dr. K.M. Munshi award for organizing Vanmahotsav programme in the campus and surrounding villages. Faculty members of this college also receive several prestigious awards for their outstanding contribution. Staff, PG students and research scholars also receive best oral/poster presentation awards in the national and international awards.



First Principal, CoF is receiving **Dr. K. M. Munshi** award from the Gujarat Forest Department



Students and faculty members receiving medals/awards in different events



A view of premises of College of Forestry as Green Building with greenery by trees, solar energy systems, rain water harvesting system & ground water recharge

Contact details



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