

N. M. College of Agriculture



Navsari Agricultural University

Navsari-396450



Institutional Profile:

1.	State	Gujarat
2.	University	Name Navsari Agricultural University
		Headquarter Navsari - 396450
3.	College	Name Navinchandra Mafatlal College of Agriculture
		Address Navsari Agricultural University Navsari (Gujarat) Pin: 396450
		Telephone 02637-282766
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		E Mail principal_agri@nau.in
	Date of Establishment	University 1 st May, 2004 (Erstwhile constituent part of Gujarat Agricultural University)
		College May, 1965
4.	Head of Faculty	Name Dr. P. B. Patel
		Designation Principal and Dean
5.	Head (CEO) of the College	Name Dr. P. B. Patel
		Designation Principal and Dean

BRIEF HISTORY OF THE DEGREE PROGRAMME

- Agriculture remains the most extensive economic sector in India from a demographic perspective and continues to play a pivotal role in the socio-economic development of the country. The advancement and long-term sustainability of Indian agriculture are largely driven by quality education, innovative research, and effective extension services, which are actively promoted through Central and State Agricultural Universities.
- In Gujarat, four State Agricultural Universities are dedicated to addressing the evolving needs and challenges of the farming community, among which Navsari Agricultural University occupies a significant position. The university has consistently focused on identifying, understanding, and resolving the agricultural

issues faced by farmers of South Gujarat, taking into account the region's diverse agro-climatic conditions, varied topography, and unique farming systems.

- N. M. College of Agriculture, the oldest constituent college of Navsari Agricultural University, has earned recognition as a distinguished institution in the fields of agricultural education, research, and extension. The college implements a number of educational schemes and academic programmes supported through financial assistance from both State and Central Government agencies. At present, thirteen major academic departments are functioning under the college, representing key disciplines including Crop Improvement, Crop Production, Crop Protection, Social Sciences, and Basic Sciences. These departments play an active and integrated role in fulfilling the university's mandate through teaching, research, extension, and technology dissemination activities.
- The principal objective of the college is to develop competent undergraduate and postgraduate graduates possessing sound technical knowledge, professional competence, and entrepreneurial capabilities to contribute effectively to the agricultural sector and the welfare of the farming community.
- In addition to classroom teaching and academic mentoring, faculty members are extensively engaged in transferring scientific knowledge and validated agricultural technologies to farmers, rural youth, and extension personnel of various line departments of the Government of Gujarat through training programmes, demonstrations, workshops, and capacity-building initiatives.
- The faculty also render advisory and diagnostic services to farmers by identifying crop-related problems and providing appropriate recommendations for pest and disease management, soil health improvement, enhancement of farm productivity and income, and adoption of improved crop management practices. These extension services are delivered through regular field visits, Farmers' Days, *Khedut Shibirs*, agricultural exhibitions, *Krusha Mahotsava* programmes, and other farmer-oriented outreach activities aimed at strengthening the link between research, education, and practical farming.

STEPPING-STONES OF N. M. COLLEGE OF AGRICULTURE

- Navinchandra Mafatlal College of Agriculture (NMCA), popularly known as N. M. College of Agriculture, holds the distinction of being the first agricultural educational institution established in the South Gujarat region. The college commenced its journey in May 1965 with a clear vision of providing quality agricultural education, generating skilled human resources, and contributing to the socio-economic upliftment of the farming community and agriculture-dependent population of the region.
- The establishment and growth of the college received substantial support from the eminent industrialist of Gujarat, Shri Arvindbhai Mafatlal, whose generous contribution of Rs. 12.5 lakhs facilitated the construction of the college building

at Navsari. The campus is strategically located near Eru cross road, about 3 kilometres from Navsari Railway Station, making it easily accessible. It is also situated along the historic route associated with Mahatma Gandhi's Dandi March, adding cultural and historical significance to its location. For establishing the institution, approximately 399.5 hectares of land were acquired during 1963–64 from 595 small landholders, laying a strong foundation for the development of agricultural education and research infrastructure.

- Geographically, the college is located almost at the heart of South Gujarat, providing a strategic advantage in addressing the agricultural needs and challenges of the region. The area enjoys excellent connectivity through the Western Railway network and major national highways, facilitating interaction with farmers, researchers, students, and other stakeholders. The region is characterized by fertile black to heavy black cotton soils, abundant rainfall, and an extensive canal irrigation network, which together create favourable conditions for diversified and intensive agricultural production systems.
- In the vernacular language, the institution was named Navinchandra Mafatlal Krushi Mahavidyalaya (NMCA). The foundation stone of the college was laid on 30th April 1968 by the then Hon'ble Minister of Agriculture and Cooperation, Government of Gujarat, Shri Thakorbbhai M. Desai. Subsequently, the construction of the main academic building, laboratories, lecture halls, and other essential facilities was completed in 1972 at an estimated expenditure of nearly Rs. 1 crore, providing the necessary infrastructure for academic and research activities.
- During its initial phase from 1968 to 1972, the college functioned under the affiliation of South Gujarat University, Surat. Thereafter, from 1972 until 2004, it remained a constituent institution of the erstwhile Gujarat Agricultural University (GAU). Recognizing the need for region-specific agricultural development, the Government of Gujarat enacted reforms in May 2004 to reorganize the erstwhile Gujarat Agricultural University into four independent State Agricultural Universities. This restructuring was undertaken with the objective of effectively addressing the diverse agro-climatic and agricultural requirements of different regions of Gujarat and enhancing the socio-economic well-being of the farming community.
- Consequently, on 1st May 2004, N. M. College of Agriculture became a constituent college of Navsari Agricultural University, marking a new chapter in its academic and institutional development. This transition strengthened the college's role in region-specific agricultural education, research, and extension activities. In recognition of its remarkable contributions and achievements, the college proudly celebrated its Golden Jubilee during the academic year 2014–15, commemorating fifty years of dedicated service to agricultural education, scientific research, technology dissemination, and rural development.
- In accordance with the recommendations of the 5th Deans' Committee of the Indian Council of Agricultural Research, the academic curriculum of the college underwent a comprehensive revision and modernization process. The revised

curriculum was carefully designed to address contemporary challenges in agricultural education and to equip students with the knowledge, skills, and competencies required in the evolving agricultural sector. The updated syllabus was implemented from the academic year 2017–18, thereby enhancing the quality of education and improving the professional preparedness of graduates.

- With the implementation of the National Education Policy 2020, the Indian Council of Agricultural Research constituted the 6th Deans' Committee to further revise and strengthen the curricula of agricultural and allied disciplines in line with emerging educational and industry requirements. The recommendations and guidelines of the committee were adopted and implemented at N. M. College of Agriculture from the academic year 2024–25, ensuring that the institution continues to provide modern, outcome-based, and industry-relevant agricultural education aligned with national educational reforms and global developments in the agricultural sector.

GOALS, MISSION AND VISION

Goal:

To give stagnant agricultural growth a boost, a shift must be made from concentrating on the country's food security to focusing on the farmers' income security along with environmental security in a sustainable and judicious manner.

Mission:

The mission of the college is to be a centre of excellence in teaching, research and extension education in the field of agriculture. It aims to develop sustainable farming systems for improving productivity and profitability in agriculture and train the farmers and extension functionaries for the effective dissemination of advanced agricultural technologies in the jurisdiction of South Gujarat. The college acts as an important link in the chain for converting agriculture into profitable enterprises and offering food and nutritional security among the rural people

Vision:

Develop innovative technology for sustainable agricultural scheme and improving variety to step along with food security mission and broaden the skill oriented advanced education system.

Mandate:

- To impart Agricultural education to young aspirants at undergraduate and post graduate level
- To undertake strategic and applied research for development of agricultural technology
- To undertake extension education programme in the region of South Gujarat, by planning and organizing different programmes of human resource capability in agriculture.

- To help State Government in production and supply of trained professionals in the field of Agriculture
- To serve as a repository of national and international scientific information on various aspects of agricultural.
- To collaborate with relevant national and international agencies for all round development of agriculture in the State, in particular and the country as a whole; and also, to undertake such other activities, as it may deem fit, from time-to- time.

OBJECTVES

In N. M. College of Agriculture, the students are being educated in accordance with the course curriculum recommended by the Fifth and sixth Deans' committee syllabus, with the following objectives:

- ✓ To impart Agricultural education to young aspirants at undergraduate and post graduate level (up to Ph.D. degree).
- ✓ To implement direct recommendations of the Dean's Committee Report of ICAR in terms of course content, credit requirement, examination system, guidelines for under graduate and post graduate education.
- ✓ To introduce new post graduate programmes under the faculty of agriculture.
- ✓ To generate and supply qualified professional in the field of agriculture for State Government/NGO/Corporate sector etc.
- ✓ To introduce relevant vocational and professional courses related to agriculture faculty.
- ✓ To strengthen various laboratories with modern scientific equipments as per revised course curricula, the library on scientific lines ensuring adequacy in practical exposure in the field of agriculture.
- ✓ To undertake strategic and applied problem-solving research for development of new agricultural technologies.
- ✓ To strengthen the faculty and manpower in the college and ensure proper placement of under graduates and post graduates in the field of agriculture.
- ✓ To undertake extension education programme in the region of South Gujarat, by planning and organizing different programmes of human resource capability in agriculture.
- ✓ To serve as a repository of national and international scientific information on various aspects of agricultural.
- ✓ To collaborate with relevant national and international agencies for all round development of agriculture in the State in particular and the country as a whole, and also to undertake such other activities, as it may deem fit, from time-to- time.

ACCOMPLISHMENT/ACHIEVEMENTS OF N. M. COLLEGE OF AGRICULTURE (2021-22 TO 2025-26)

A. Number of UG students graduated

The college has attained notable achievements across several key domains, including student placement, higher education progression, academic excellence, infrastructure enhancement, and the continuous improvement of the teaching-learning process. Significant advancements have also been recorded in promoting student development through research, extension, and experiential learning activities. Simultaneously, considerable efforts have been made toward upgrading classroom and laboratory infrastructure, strengthening academic support systems, and maximizing the use of Information and Communication Technology (ICT)-enabled resources to enhance the quality of education and foster overall institutional growth.

Number of UG students graduated during 2021-22 to 2025-26

Year	Gender	Distribution of students in different classes					
		First with Distinction	First class	Second class	Pass class	Fail	Total
2021-22	Male	55	40	01	--	--	96
	Female	24	12	01	--	--	37
	Total	79	52	02	--	--	133
2022-23	Male	30	73	01	--	--	104
	Female	38	08	--	--	--	46
	Total	68	81	01	--	--	150
2023-24	Male	24	70	09	--	--	103
	Female	17	22	02	--	--	41
	Total	41	92	11	--	--	144
2024-25	Male	08	37	31	--	--	76
	Female	20	23	05	--	--	48
	Total	28	60	36	--	--	124
2025-26	Male	19	47	33	--	--	99
	Female	28	28	04	--	--	60
	Total	47	75	37	--	--	159
Grand Total	Male	136	267	75			478
	Female	127	93	12			232
	Total	263	360	87			710

B. UG students in NTS (UG), students ready and other scholarships

The undergraduate students of N. M. College of Agriculture have successfully secured various scholarships, fellowships, and financial assistance schemes offered by national and state-level agencies, universities, and other funding organizations. These scholarships and fellowships provide valuable financial support to students, enabling them to pursue higher education and research activities with greater focus and

commitment. The increasing number of students securing such fellowships reflects the strong academic foundation, research orientation, and competitive spirit nurtured by the institution.

The consistent receipt of scholarships and fellowships not only reduces the financial burden on students but also motivates them to pursue advanced research and contribute effectively to the field of agricultural sciences. The details of scholarships and fellowships secured by undergraduate and postgraduate students during the last five years are summarized below

Students of B.Sc. (Hons.) Agriculture awarded with various scholarships

Sr. No.	Scholarships scheme	2021-22	2022-23	2023-24	2024-25	2025-26
1.	NTS-UG	60	64	100	74	106
2.	Student READY	133	150	144	125	158
3.	NAU-Girls meritorious fellowship	15	14	15	15	17
4.	NMCA Merit scholarship	16	-	-	-	-
5.	SC Fellowship (GoG)	13	23	23	26	25
6.	ST Fellowship (GoG)	72	70	58	62	62
7.	SEBC fellowship/PM yashasvi	124	188	135	175	209
8.	Ambedkar fellowship	82	-	-	-	-
9.	EBC scholarship	-	-	59	80	96
10.	NSP	-	-	06	05	-
	Grand total	515	509	540	562	673

C. Progression through Placements and Higher studies

- Student progression is substantially strengthened through a well-structured placement mechanism that effectively connects academic learning with professional practice. N. M. College of Agriculture has established strong partnerships and collaborative linkages with reputed industries, agribusiness firms, research organizations, government agencies, and other stakeholders in the agricultural sector.
- These collaborations have helped create a robust professional network that offers students a wide range of opportunities for internships, industrial exposure, experiential training, skill development, and employment.
- The close integration of academic programmes with the emerging needs of the agricultural industry ensures that graduates possess not only strong theoretical foundations but also the practical competencies required in contemporary professional environments.

- Furthermore, the college provides comprehensive career guidance and placement assistance services designed to support students in their professional development. These initiatives include training in resume and curriculum vitae preparation, interview skills, communication and presentation abilities, aptitude development, group discussions, and personality enhancement programmes.
- Such sustained efforts play a vital role in facilitating successful placements, supporting career advancement, and enabling students to transition smoothly into professional positions, higher studies, entrepreneurship, and leadership roles within the agricultural sector.
- During the five-year period from 2021-22 to 2025-26, a total of 398 UG graduates were reported under various progression pathways, reflecting the institution's efforts towards facilitating higher education and employment opportunities. Higher studies within the country emerged as the major pathway, with 237 students, while 23 students pursued higher studies outside the country. Further, 74 students secured employment through the Placement Cell in private/other organizations, while 15 students joined State Government services and 1 student joined Central Government service.
- The data demonstrates that a significant proportion of graduates are opting for higher education and career opportunities in government and private sectors, supported by the institution through academic guidance, career counselling, placement activities, and facilitation of opportunities for further studies and employment.

The following tables provide an overview of student performance in terms of successful placements and enrolment in higher education programmes.

Placement and Higher Study Report of B.Sc. (Hons.) Agriculture students

SN	Year	ICA R	SAU/ CAU	Central Govt.	State Govt.	Higher studies		Private/ Others through Placement Cell	Total
						Within the Countr y	Outsid e the Countr y		
1	2021-22	0	0	1	9	49	7	12	78
2	2022-23	0	0	0	3	64	5	38	110
3	2023-24	0	0	0	3	61	6	47	117
4	2024-25	0	0	0	0	63	2	17	82
5	2025-26	0	0	0	0	0	0	11	11*

**Placement season is ongoing*

D. Awards and recognition of faculties at State/National/International level in the Seminars/Conferences/Workshops and other activities

Sr. No.	Name of the Faculty	Name of the Award	Sponsoring Agency (Society/ Institute)	Year
1	Dr. Priya John	Received Certificate of Accomplishment with a grant of Rs.1,00,000/-	For establishment of a proof of concept of innovative idea by SSIP, NAU, Navsari	2026
2	Mrs. Kotramma Addangadi	Received Certificate of Accomplishment with a grant of Rs.1,00,000/-	For establishment of a proof of concept of innovative idea by SSIP, NAU, Navsari	2026
3	Dr. Vaibhavkumar N. Mehta,	ISAS Young Scientist Award-2025 for the outstanding contribution in the field of Nanotechnology	Indian Society of Analytical Scientist (ISAS)	2026
4	Dr. Vaibhavkumar N. Mehta,	GTU Rising Star Award-2025	Gujarat Technological University Alumni Association, Gujarat Technological University, Chandkheda, Ahmedabad	2026
5	Dr. Lalit Mahatma	Best Poster Presentation (Third Prize)	In the West Zone Symposium of Indian Phytopathology Society, held at VRMPKV, Parbhani	2025
6	Dr. K. B. Rakholiya	Best Writer Award	From the magazine "Krishi Goviddya", AAU, Anand	2025
7	Dr. Shivangi Kansara	Best Writer Award	From the magazine "Krishi Goviddya", AAU, Anand	2025
8	Dr. M. I. Patel	Best Writer Award	From the magazine "Krishi Goviddya", AAU, Anand	2025
9	Dr. M. I. Patel	Young Scientist Award	Agri Technova 2025, Thiagarajar College, Madurai	2025
10	Dr. N. M. Thesiya	Best Teacher Award	Maharana Pratap University of Agriculture and Technology, Udaipur, Rajasthan (International Conference During November 15-17, 2025)	2025
11	H. K. Chaudhary, Abhishek Shukla and J. J. Pastagia	Best Article (Plant Protection)	Awarded for an article in Krishi Goviddya magazine (2019-20), published by Anand Agricultural University, Anand.	2025

12	Dr. S. R. Patel	Late G. A. Patel Young Scientist Award-2024	Sponsored by Dr. G. M. Patel for outstanding work in Plant Protection by SAU's Scientist.	2025
13	Dr. C. U. Shinde	Best Academician Award	Honoured at the National Conference on "Advances in Sustainable Plant Protection under Changing Agriculture Scenario", organized by Entomological Research Association and Department of Entomology, RCA, MPUAT, Udaipur.	2025
14	Dr. C. U. Shinde	Best Oral Presentation Award	For the paper "Biological attributes of niger aphid, Uroleucon compositae (Hemiptera: Aphididae)" in Theme-4: Bio ecology of pests and estimation of losses caused by them, at the same National Conference.	2025
15	Dr. K. M. Patel	Young Scientist Award	For outstanding contributions in Plant Protection by the Entomological Research Association, RCA, MPUAT, Udaipur, during the National Conference on "Advances in Sustainable Plant Protection under Changing Agriculture Scenario".	2025
16	Dr. K. M. Patel	Best Poster Presentation Award	For "Population Dynamics of Sapota Fruit Mite, Tuckerella kumaonensis Gupta (Tuckerellidae: Acari) with Relation to Abiotic and Biotic Factors" at the National Conference on "Advances in Sustainable Plant Protection under Changing Agriculture Scenario".	2025
17	Dr. A. T. Patel	Outstanding Ph.D. Thesis Award	For outstanding contribution in Plant Protection; conferred by the Entomological Research Association, RCA, MPUAT, Udaipur.	2025
18	Dr. A. T. Patel	Best Poster Presentation Award	For the digital poster "Biodiversity of Soil Oribatid Mite (Acari: Oribatidae) in Different Agro-Ecosystems" at the National	2025

			Conference on "Advances in Sustainable Plant Protection under Changing Agriculture Scenario".	
19	Dr. M. R. Siddhapara	Young Researcher Award	For outstanding contributions in Plant Protection by the Entomological Research Association, RCA, MPUAT, Udaipur, during the National Conference on "Advances in Sustainable Plant Protection under Changing Agriculture Scenario".	2025
20	Dr. M. R. Siddhapara	Best Oral Presentation Award	For presenting research entitled "Influence of insecticides on entomopathogenic fungus, <i>Lecanicillium lecanii</i> " at the National Conference on "Advances in Sustainable Plant Protection under Changing Agriculture Scenario".	2025
21	Dr. Prashant Vekariya	Outstanding Ph.D. thesis award	Just Agriculture Education Group & ISHARD Society at Jaipur, during the 11 th national conference FutureAG-2025 "Advancing food & farming for sustainable future"	2025
22	Dr. Ajay V Narwade	Elected as Zonal Secretary (West Zone) of the Indian Society for Plant Physiology, New Delhi.	Indian Society for Plant Physiology, New Delhi.	2025
23	Dr. C. V. Kapadia	Invited talk	International Conference on Trends in Biological Sciences 2025 (TIBS2025) organised by JNU, New Delhi and ICGEB, New Delhi.	2025
24	Dr. R.R. Sisodiya	Excellent Researcher	WELRED FOUNDATION, Tamluk, West Bengal	2024
25	Dr. R.R. Sisodiya	Best Teacher of the Year Award	Indian Icon Foundation. Chennai, Tamil Nadu	2024
26	Dr. R.R. Sisodiya	Indian Icon Achievement in Science and Technology Award	Indian Icon Foundation, Chennai, Tamil Nadu	2024
27	Dr. K. B. Rakholiya	First Rank in Oral Presentation	ISMPP 3 rd Asian Congress on Plant Pathology at SDAU, Sardarkrushinagar	2024

28	Dr. Shivangi Kansara	Academic Excellence Award.	By Institute of Researchers, Kerala, India	2024
29	Dr. Shivangi Kansara	Young Scientist Award	2nd International Agriculture Conference held at New Delhi	2024
30	Mrs. Kotramma Addangadi	Certificate of Excellence	In Reviewing awarded by Journal of Advances in Microbiology for contribution to the quality of the journal	2024
31	Dr. S. R. Patel	Best Teacher Award for the year 2022-23	Received among all faculties of Navsari Agricultural University in the 19 th Annual Convocation.	2024
32	Dr. Gaurav Sharma	Best Oral Presentation Award	National Seminar on Agricultural Extension for Viksit Bharat: Innovations and Strategies for Sustainable Development (SEEG & NAU)	2024
33	Dr. P. B. Khodifad	Best Oral Presentation Award	National Seminar on Agricultural Extension for Viksit Bharat: Innovations and Strategies for Sustainable Development (SEEG & NAU)	2024
34	Dr. S. R. Kumbhani	Best Oral Presentation Award	National Seminar on Agricultural Extension for Viksit Bharat: Innovations and Strategies for Sustainable Development (SEEG & NAU)	2024
35	Dr. R. M. Bhuva	Best Oral Presentation Award	National Seminar on Agricultural Extension for Viksit Bharat: Innovations and Strategies for Sustainable Development (SEEG & NAU)	2024
36	Dr. Kalpesh L. Chaudhary	Best Oral Presentation	National Seminar on Agricultural Extension for Viksit Bharat: Innovations and Strategies for Sustainable Development (SEEG & NAU)	2024
37	Dr. Kalpesh L. Chaudhary	Best Poster Presentation	National Seminar on Agricultural Extension for Viksit Bharat: Innovations and Strategies for Sustainable Development (SEEG & NAU)	2024
38	Dr. Y. A. Garde	Young Scientist Award	International conference "Current Innovations and Technological Advances in Agriculture and Allied Sciences" during 29-31 August, 2024 Just Agriculture Education	2024

			Group & ISASTR, Noida at GKU, Talwandi Sabo	
39	Dr. R. P. Bambharolia	Young Scientist Award-2025	12 th International Conference on "Emerging Issues in Agriculture, Food Technology, Biological & Applied Sciences for Global Development" held during November 15-17, 2025 at Rajasthan by Agro-Environmental Development Society	2024
40	Dr. Sonal Tripathi	Best oral presentation Award	6 th International Conference "Strategies and Challenges in Agricultural and Life Science for Food Security and Sustainable Environment" organized by Himachal Pradesh University, Shimla, H.P.	2023
41	Dr. V.J. Zinzala	Best poster presentation Award	6 th International Conference "Transformation of Agro-Technologies for Enhancing Production under Diverse Agro-Ecosystem" organized by College of Agriculture, Waghai, Navsari Agricultural University, Navsari,	2023
42	Dr. Priya John	M. J. Narasimhan Academic Merit Award Commendation Certificate for Ph.D. student for mentoring	Indian Phytopathological Society Platinum Jubilee Conference, at University of Mysore, Mysore	2023
43	Dr. K. B. Rakholiya	Best Teacher Award for the Academic year: 2021-22	In recognition of outstanding contributions to Academic and Personal growth in the field of Agricultural and Allied Sciences from Navsari Agricultural University, Navsari, Gujarat	2023
44	Dr. Priya John	Women Scientist Award	International Conference ICCGFLLES-2023 at NAU, Navsari	2023
45	Dr. D. H. Tandel	Best Oral Paper Presentation Award	International Conference ICCGFLLES-2023 at NAU, Navsari	2023
46	Mrs. Kotramma Addangadi	Young Professional Award	International Conference ICCGFLLES-2023 at NAU, Navsari	2023

47	Mrs. Kotramma Addangadi	Women Scientist Award	By the society for Scientific Development in Agriculture and Technology, Meerut at Himachal Pradesh University, Shimla	2023
48	Dr. K. A. Shah	Best Extension Scientist	Navsari Agricultural University, Navsari on 19 th Annual Convocation of NAU, Navsari held on dated 03-01-24	2023
49	Dr. C. U. Shinde	Young Scientist Award (2023)	Sponsored by Society for Scientific Development in Agriculture and Technology, Meerut, in collaboration with listed agricultural universities/institutions and Astha Foundation; awarded during the 5 th International Conference on Innovative and Current Advances in Agriculture & Allied Sciences (ICAAAS-2023), Dubai.	2023
50	Dr. M. R. Siddhapara	Best Teacher Award	For outstanding contribution in Agricultural Entomology at the International Conference on "Global Approaches in Agriculture and Allied Sciences for Sustainability, Food Security and Livelihood" (GAASFSL-2023).	2023
51	Dr. R. M. Bhuva	Best Extension Young Scientist Award	SEEG, Gujarat	2023
52	Dr. Kalpesh L. Chaudhary	Best Extension Educationist Award	International Conference on "Innovative Approaches in Agriculture, Horticulture & Allied Sciences (IAAHAS-2023)", jointly organized by SGT University and Just Agriculture Education Group, 29-31 March 2023, Gurugram, Haryana, India.	2023
53	Dr. Kalpesh L. Chaudhary	Best Oral Presentation Award	Navsari Agricultural University (NAU), Navsari, Gujarat, India & National Agriculture Development Cooperative Ltd. (NADCL), Baramulla, UT of Jammu & Kashmir, India	2023
54	Dr. Alok Shrivastava	Best Research Paper Presentation Award	International Conference on "Impact of Climate Changes on Global Food, Livestock, Livelihood	2023

			and Environmental Security: Advanced Approaches and Mitigation Strategies" (ICCGFLLES-2023) jointly organized by NAU, Navsari and NADCL, Baramulla, in collaboration with ICAR-NAHEP, CAAST, NAU, Navsari	
55	Dr. Y. A. Garde	Best Oral Presentation Award	International Conference on Strategies and Challenges in Agricultural and Life Sciences for Food Security and Sustainable Environment organized by Dept. of Environmental Science, HP University, Shimla	2023
56	Dr. Ajay V Narwade	Best Oral Presentation Award	5 th International Conference on "Sustainable Natural Resources Management under Global Climate Change" organized by Soil Conservation Society of India at New Delhi, INDIA during November 07-10, 2023	2023
57	Dr. Vaibhavkumar N. Mehta,	Best Teacher Award	The Southern Gujarat Chamber Of Commerce And Industry – SGCCI, Surat, Gujarat, India	2023
58	Dr. B. M. Mote	Best Ph.D thesis award	Agricultural Technology Development Society (ATDS) in the 6 th International Conference during 28 th - 30 th , 2023, held at Himachal Pradesh University, Shimla, Himachal Pradesh.	2023
59	Dr. B. M. Mote	Best oral research paper presentation	Agricultural Technology Development Society (ATDS) in 6 th International Conference during 28 th -30 th , 2023 held at Himachal Pradesh University, Shimla, Himachal Pradesh.	2023
60	Dr. M. D. Khunt	Best oral presentation award (1 st rank)	National conference on "Impact of climate challenges on global food, livestock, livelihood and environmental security: Advanced approaches and mitigation strategies" during December 28-30, 2023 at Navsari by National Agriculture Development Cooperative Ltd.	2023

61	Dr. Sonal Tripathi	Third Best Poster Presentation Award	National Symposium on "Emerging innovations in plant Molecules for achieving food and nutritional security" organized by the Department of Plant Molecular Biology and Biotech., ACHF, NAU, Navsari, and Division of Biochemistry, ICAR-IARI, Pusa Campus, New Delhi in association with Society for Plant Biochemistry and Biotechnology, New Delhi.	2022
62	Prof. J. R. Naik	Best Poster Presentation Award	National conference 'Innovative resource management approaches for coastal and inland ecosystems to sustain productivity and climate resilience' organized by NAU, Navsari, in collaboration with Gujarat State Chapter of SCSi, Navsari & Soil Conservation Society of India (SCSi) New Delhi	2022
63	Dr. Neethu T.M.	Best Oral Presentation	31st National Conference on "Innovative Resources management approaches for coastal and inland ecosystems to sustain productivity and climate resilience" organized by SCSi, Navsari chapter & SCSi, New Delhi and NAU, Navsari	2022
64	Dr. R.R. Sisodiya	Outstanding soil scientist award	Awarded "the global icon award 2023" for noble work on teaching and research of soil science. Gyanuday Foundation. Kota, Rajasthan	2022
65	Dr. K. B. Rakholiya	Ghelani Agricon Private Limited Award-2021	State-level seminar on Prakrutik Krushimapak Sanrakshan" organized by PPAG and AAU, Anand	2022
66	Dr. K. B. Rakholiya	ASPEE Agro Equipment Pvt Ltd Award	Best Research work Done by M. Sc. (Agri.) Student in the Field of Plant Pathology at AAU, Anand. During state level seminar on Prakrutik Krushimapak Sanrakshan" organized by PPAG and AAU, Anand.	2022

67	Dr. K. B. Rakholiya	First Oral Presentation Award	Indian Phytopathological Society West Zone Symposium, at NAU, Navsari, Gujarat	2022
68	Dr. K. B. Rakholiya	Third Oral Presentation Award	Indian Phytopathological Society West Zone Symposium, at NAU, Navsari, Gujarat	2022
69	Dr. K. B. Rakholiya	Third Oral Presentation Award	Indian Phytopathological Society West Zone Symposium, at NAU, Navsari, Gujarat	2022
70	Dr. K. B. Rakholiya	3rd Rank Oral Presentation Award	ISMPP 42 nd Annual Conference & National Symposium of ISMPP at AAU, Anand	2022
71	Dr. Priya John	Dr. B.B. Mundkar Award	At International Conference Jointly organized by AEEFWS, Punjab and GIRISDA	2022
72	Dr. Priya John	Scroll of Honour	Indian Phytopathological Society, IARI, New Delhi as West Zone Councillor	2022
73	Dr. Priya John	M.J. Narasimhan Award (Central Zone) for PhD thesis under mentorship	Indian Phytopathological Society Central Zone Symposium at Regional Agriculture station, Tirupathi, A.P.	2022
74	Dr. Priya John	M.J. Narasimhan Academic Merit Award (West Zone) for PhD thesis under mentorship	Indian Phytopathological Society West Zone Symposium, at NAU, Navsari, Gujarat	2022
75	Dr. Priya John	Second Best Oral	Indian Phytopathological Society West Zone Symposium, at NAU, Navsari, Gujarat	2022
76	Dr. Lalit Mahatma	Third Best Oral	Indian Phytopathological Society West Zone Symposium, at NAU, Navsari, Gujarat	2022
77	Dr. D. H. Tandel	2nd Best Oral Paper presentation Award	Indian Phytopathological Society West Zone Symposium, at NAU, Navsari, Gujarat	2022
78	Dr. D. H. Tandel	Prof. K.C. Mehta Memorial Award	7 th International conference on organized by AEDS India during October 29-31, 2022.	2022
79	Dr. D. H. Tandel	3rd Best Poster Presentation Award	International conference on organized by AEDS India	2022
80	Dr. Shivangi Kansara	Best Poster presentation	Indian Phytopathological Society West Zone Symposium, at NAU, Navsari, Gujarat	2022

81	Mrs. Kotramma Addangadi	Second Prize in National level Hackathon	National level Hackathon on Smart and Remunerative Farming, at Navsari Agricultural University, Navsari.	2022
82	Mrs. Kotramma Addangadi	Second Best Oral	Indian Phytopathological Society West Zone Symposium, at NAU, Navsari, Gujarat	2022
83	Mrs. Kotramma Addangadi	First Best Poster	Indian Phytopathological Society West Zone Symposium, at NAU, Navsari, Gujarat	2022
84	Mrs. Kotramma Addangadi	Second Best Poster	Indian Phytopathological Society West Zone Symposium, at NAU, Navsari, Gujarat	2022
85	Mrs. Kotramma Addangadi	Second Best Oral	Indian Phytopathological Society West Zone Symposium, at NAU, Navsari, Gujarat	2022
86	Dr. K. A. Shah	Best Extension Scientist Award	Society of Krishi Vigyan and Krishi Vigyan Kendra, Ujjain	2022
87	Dr. Y. A. Garde	Best Oral Presentation Award	24 th National conference of Maharashtra Society of Agril. Economics, organized by Dept. of Agril. Economics, Dr. BSKKV, Dapoli and Maharashtra Society of Agricultural Economics	2022
88	Dr. Nitin Varshney	Best poster presentation Award	ISPP West Zone Seminar on Innovative Approaches for Sustainable agriculture under changing climates, organized by Dept. of Plant Physiology, NMCA, NAU, Navsari in collaboration with Indian Society for plant Physiology, New Delhi	2022
89	Dr. Nitin Varshney	Best M.Sc. Award	International Web Conference on Innovative and Current Advances in Agriculture & Allied Sciences by Society for Scientific Development in Agriculture & Technology, Astha Foundation.	2022
90	Dr. Y. A. Garde	Best Oral Presentation Award	ISPP West Zone Seminar on Innovative Approaches for Sustainable agriculture under changing climates organized by Dept. of Plant Physiology, NMCA, NAU, Navsari in collaboration with Indian Society for plant Physiology, New Delhi	2022

91	Dr. K. P. Suthar	SPBB-Springer Young Scientist Awards	Society of Plant Biochemistry and Biotechnology, and Navsari Agricultural University, Navsari, Gujarat	2022
92	Dr. Vaibhavkumar N. Mehta	Registered Indian Paten Agent (IN/PA 4259)	Office of The Controller General Patents, Designs & Trade Marks, Ministry of Commerce & Industry, Government of India	2022
93	Dr. Vaibhavkumar N. Mehta	Young Scientist Award for the outstanding contribution in the field of Nanotechnology	Agro Environmental Development Society (AEDS), Uttar Pradesh, India	2022
94	Dr. M. D. Khunt	Young Scientist Award in biological science	7 th International conference on "Opportunities and challenges in Agriculture, Environmental & Biosciences for Global Development" held during October 29-31, 2022 at Goa by Agro-Environmental Development Society	2022
95	Dr. M. D. Khunt	Best oral presentation award (1st rank)	National West zone symposium on "Current Trends in Plant Disease Diagnosis and Management" held during November 16-17, 2022 at Navsari by Indian Phytopathological Society	2022
96	Dr. Sonal Tripathi	Third prize for Oral Presentation	Virtual National Seminar on "Advances in Sustainable Management of Natural Resources for Food and Nutritional Security" organized by NAU, Navsari	2021
97	Dr. Neethu T.M.	Best Oral Presentation Award	Virtual National Seminar on "Advances in Sustainable Management of Natural Resources for Food and Nutritional Security" organized by NAU, Navsari	2021
98	Dr. K. A. Shah	Excellence in Extension Award	Society for Scientific Development in Agriculture and Technology Meerut, Uttar Pradesh.	2021
99	Dr. A. G. Shukla	Associate Scientist Award-2021	Awarded in the state-level seminar on "Jivat Ane Rogona Jaivik Niyanttran Dwara Bagayati	2021

			<i>Ane Khadhya Pakni Gunvatta Ane Salamatini Jalavani</i> at Navsari Agricultural University, Navsari.	
100	Dr. M. R. Siddhapara	Young Scientist Award-2021	Awarded in the state-level seminar on " <i>Jivat Ane Rogona Jaivik Niyanttran Dwara Bagayati Ane Khadhya Pakni Gunvatta Ane Salamatini Jalavani</i> " at Navsari Agricultural University, Navsari.	2021
101	Dr. Y. A. Garde	Young Scientist Award	International Web Conference on Innovative and Current Advances in Agriculture & Allied Sciences by Society for Scientific Development in Agriculture & Technology, Astha Foundation.	2021
102	Dr. H.R. Ramani	Young Scientist Award	Agriculture Technology Development Society, Ghazibad, U.P	2021
103	Dr. Vaibhavkumar N. Mehta	Best Oral Presentation in Chemistry Section	"Virtual International Conference on Physical Sciences (ICPS-2021)" jointly organized by Applied Chemistry Department, Applied Physics Department and Applied Mathematics and Humanities Department, S. V. National Institute of Technology, Surat during 5 th – 6 th February, 2021	2021
104	Dr. Vaibhavkumar N. Mehta	Best Oral Presentation	2 nd Virtual International conference on Chemical Sciences in Sustainable Technology and Development organized by Applied Chemistry Department, S. V. National Institute of Technology, Surat, Gujarat during 24 th -26 th November, 2021	2021
105	Dr. Vaibhavkumar N. Mehta	Best Student of the School Award	6 days BRNS-AEACI Fourteenth School on Analytical Chemistry (SAC-14) organized by Association of Environmental Analytical Chemistry of India (AEACI), BARC, Mumbai	2021
106	Dr. A. G. Shukla	Fellow of Society for Biocontrol Advancement	Recognized as a Fellow of Society for Biocontrol Advancement, Bengaluru.	2021

107	Dr. M. R. Siddhapara	Fellow of Society for Biocontrol Advancement	Recognized as a Fellow of the Society for Biocontrol Advancement, Bengaluru, for outstanding contribution in biological control of crop pests and diseases.	2021
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E. Number of AGRESKO recommendations (Scientific/Farmers/Information)

During the period from 2021-22 to 2025-26, a total of 79 AGRESKO recommendations and information outputs were generated. Of these, 32 recommendations were developed for the farming community, focusing on practical and need-based agricultural solutions, while 47 were generated as information for the scientific community. The annual grand total increased from 10 in 2021-22 to 25 in 2025-26, indicating a progressive enhancement in research-based recommendations and dissemination of scientific information. Overall, the outputs demonstrate the institution's continued contribution towards addressing farmers' needs and strengthening agricultural research and knowledge dissemination.

Summary of AGRESKO recommendations during 2021-22 to 2025-26

AGRESKO Recommendations	2021-22	2022-23	2023-24	2024-25	2025-26	Total
No. of Recommendations for farming community	04	08	07	06	07	32
No. of Information for scientific community	06	08	06	09	18	47
Grand Total	10	16	13	15	25	79

F. No. of patents granted, technologies developed by student/faculty during 2021-22 to 2025-26

Patents play a vital role in promoting innovation, research excellence, and technological advancement in the college. The patents filed and granted to the faculty members of N. M. College of Agriculture reflect their creativity, scientific expertise, and commitment towards developing novel technologies and solutions in agriculture and allied fields. These innovations contribute to addressing practical challenges faced by the farming community and agricultural sector. Patents enhance the institution's reputation by demonstrating its capacity for original research and technology development. Thus, the patents of faculty members represent a valuable asset for the continuous growth and recognition of the college. The table below summarised the awarded patents and registrations during last five years

IPR granted to the faculty, NMCA during 2021-22 to 2025-26

IPR details	2021-22	2022-23	2023-24	2024-25	2025-26	Total
Certificate of Design registration	-	-	01	-	05	06
Product(s) Patents registration	-	-	02	05	03	10
Technology developed Patents registration	-	-	-	-	01	01
Grand Total	-	-	03	05	09	17

G. No. of students nurtured into entrepreneurs

During the period from 2023-24 to 2025-26, N. M. College of Agriculture (NMCA) nurtured a total of 04 entrepreneurs, with 02 entrepreneurs in 2023-24 and 01 each in 2024-25 and 2025-26. This indicates the college's continued efforts towards promoting entrepreneurship, innovation and self-employment among students and young agricultural professionals. Start-ups play an important role in transforming innovative agricultural ideas into practical solutions, thereby contributing to employment generation, technology adoption and value addition in agriculture. They also encourage students to become job creators rather than only job seekers, strengthening the overall agricultural economy.

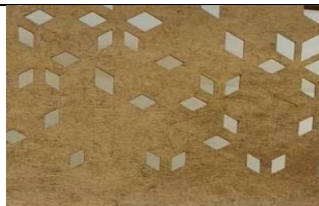
Number of entrepreneurs nurtured in NMCA during 2021-22 to 2025-26

Sr. No.	Year	Number of entrepreneurs nurtured
01	2023-24	02
02	2024-25	01
03	2025-26	01

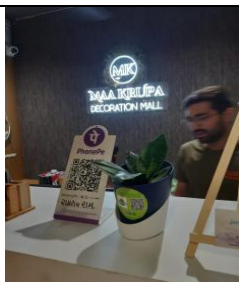
Details of startups set up by students of NMCA

Year: 2023-24

Names of founder (s)	Ankit Patel, Satyam Patil, Aman Agarwal and Ajay V Narwade
Registration number (s)	-
Batch	2022
Name of Startup	Nirvana Baneel
Registration number of company	-
Year of startup	2024
Brief about the startup	Aim was to develop a sustainable composite Plywood using banana pseudostem fibers. Banana pseudo stem has lots of fiber content in it which is extracted from the pseudo stem and dried up. The unwoven mat known as felt is made from dried fibers. the fiber felt is used to make the plywood.

Photographs	  Plywood using banana pseudostem
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Year: 2023-24

Names of founder (s)	Gagiya Mohit Polabhai and Ajay V Narwade
Registration number (s)	-
Batch	2021
Name of Startup	Greenovation crew
Registration number of company	-
Year of startup	2024
Brief about the startup	With rapid urbanization and shrinking availability of land for home and kitchen gardens, many people are interested in growing ornamental plants and fresh vegetables but lack access to fertile soil, quality planting material, and technical guidance. Recognizing this opportunity, Greenovation Crew was established to promote home gardening, kitchen gardening, and landscape beautification in urban areas. The venture primarily serves rapidly developing cities such as Navsari and Surat by providing comprehensive gardening solutions, including soil and growing media, planting materials, ornamental and vegetable plants, garden design, pot selection, plant maintenance, and expert guidance. Through these services, Greenovation Crew aims to support urban residents in creating attractive and productive green spaces while encouraging sustainable gardening practices and enhancing environmental well-being.
Photographs	  Balcony garden design Customized flower Pot Design

	 Customised flower pot design
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Year: 2024-25

Names of founder (s)	Jat Hardeva Purnaram, Amit Bhargaw, Ramswaroop Suthar and Ajay V Narwade
Registration number (s)	-
Batch	2022
Name of Startup	FourWoodCraft
Registration number of company	-
Year of startup	-
Brief about the startup	Current market is dominated with plastic and low quality materials based decorative as well as education products. lacks quality decorative as well as educational products, particularly handcrafted teaching kits and demonstration models, hindering student's engagement and understanding. Introducing a plant cell demonstration model for educators (for teaching) and students, enabling easy understanding of cell structure without microscopes. and offers different sustainable, decorative wooden products like Small Charpai/Khat, Mini Jhula and daily use items like high-quality wooden laptop & mobile stands, office Desk Organizer. which can replacing low-quality plastic and metal alternatives, and promoting eco-friendly sustainable things.

Photographs	 Plant cell model  Seed collection and demonstration box  Entomology insect collection box &  Laptop & Mobile Stands
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	 Mobile stands at customer shop	 Wooden made multipurpose hand craft
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Year: 2025-26

Names of founder (s)	Himanshu Gadhavi, Prajwal Bedavatti and Ajay V. Narwade
Registration number (s)	-
Batch	2024
Name of Startup	Khedut Mitra Gujarat AI Farming Revolution
Registration number of company	-
Year of startup	-
Brief about the startup	Frequent and unpredictable weather conditions, coupled with limited access to timely agricultural information, pose significant challenges for small and marginal farmers. To address these issues, Khedut Mitra Gujarat leverages Artificial Intelligence (AI) to provide real-time, accessible, and reliable agricultural advisory services. This voice-based, AI-powered chatbot is designed to assist farmers by answering queries related to crop cultivation, soil health management, fertilizer application, organic farming, cold storage, market intelligence, crop insurance, and other agricultural practices in the Gujarati language. By replacing conventional and time-consuming advisory systems with instant, technology-driven solutions, the platform empowers farmers to make informed decisions, improve farm productivity, adopt sustainable agricultural practices, and enhance their livelihoods. The initiative aims to contribute significantly to the digital transformation of agriculture and address the diverse challenges faced by the farming community, particularly in Gujarat.

Photographs	 Khedut Mitra AI   Khedut Mitra AI
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H. Research Publications

Publications play a significant role in the academic growth, research advancement, and overall development of the college. Research publications reflect the scientific competence, innovative approaches, and scholarly contributions of the faculty members. The faculty members of N. M. College of Agriculture have published numerous research papers in reputed national and international journals, contributing to the advancement of agricultural sciences. These publications enhance the academic reputation and visibility of the institution at regional, national, and global levels. Moreover, quality publications help in establishing collaborations with other institutions and research organizations. The summary of research publications of NMCA is as given below:

Summary of Research Publications during 2021-22 to 2025-26

No. of publications in the year	No. of Research Publication with NAAS / Thomson & Reuters rating			
	Without NAAS rating	<5	5.0-7.5	> 7.5
2021-22	23	31	50	08
2022-23	10	18	111	15
2023-24	17	26	134	14
2024-25	18	18	105	16
2025-26	05	26	67	10
Total	73	119	467	63

I. List of Practical Manuals published by N. M. College of Agriculture

N. M. College of Agriculture has published several practical manuals across various disciplines to facilitate effective practical training and enhance the quality of agricultural education. The details during the period 2021-22 to 2025-26 are presented below.

Practical Manual Published during 2021-22 to 2025-26

Sr. No.	Course name	Fifth/ Sixth Dean	Semester	Course code
1.	Introductory Soil and Water Conservation Engineering	Fifth	2	Ag. Engg. 2.1
2.	Farm Machinery and Power	Fifth	3	Ag. Engg. 3.2
3.	Insect Phylogeny and Systematics	Sixth	1	ENN 601
4.	Insect Anatomy and Physiology	Sixth	2	ENT 502
5.	Commercial Horticulture	Fifth	8	ELP 8.8
6.	Fundamentals of Horticulture	Sixth	1	HORT. 1.1
7.	Production Technology of Fruit and Plantation Crops	Sixth	3	HORT. 3.2
8.	Introductory Plant Pathology	Fifth	1	Pl Path 1.1
9.	Agricultural Microbiology	Fifth	1	Ag Micro 1.1
10.	Introductory Nematology	Fifth	2	Pl Path 2.2
11.	Principles of Integrated Disease Management	Fifth	4	Pl Path 4.3
12.	Diseases of field and Horticultural crops and their management-I	Fifth	5	Pl Path 5.3
13.	Biopesticides and Biofertilizers	Fifth	6	Ag Micro 6.2
14.	Diseases of field and Horticultural crops and their management-II	Fifth	6	Pl Path 6.5
15.	Fundamentals of Agricultural Extension Education	Fifth	3	Ag. Extn. 3.1
16.	Communication Skills and Personality Development	Fifth	5	Ag. Extn. 5.3
17.	Entrepreneurship Development & Business Communication	Fifth	6	Ag. Extn. 6.4
18.	Fundamentals of Agronomy	Sixth	1	Agron. 1.1
19.	Crop Production Technology-I (<i>Kharif</i> Crops)	Sixth	3	Agron. 3.2
20.	Principles and Practices of Natural Farming	Sixth	3	Agron.3.3
21.	Crop Production Technology-II (<i>Rabi</i> Crops)	Sixth	4	Agron.4.4

22.	Water Management	Sixth	4	Agron. 4.5
23.	Ruminant Production and Management	Fifth	5	LPM 5.1
24.	Poultry Production and Management	Fifth	6	LPM 6.2
25.	Livestock and Poultry Management	Sixth	2	AH 2.1
26.	Introductory Biotechnology	Fifth	5	Biotech 5.1
27.	Agricultural Finance and Co-operation	Fifth	3	AG. ECON. 3.2
28.	Agricultural Marketing, Trade and Prices	Fifth	4	AG. ECON. 4.3 (2+1)
29.	Farm Management, Production and Resource Economics	Fifth	6	AG. ECON. 6.4 (2+1)
30.	Entrepreneurship Development and Business Communication	Sixth	2	MDC – II
31.	Fundamentals of Crop Physiology	Fifth	3	Pl. Phy 3.1
32.	Environmental Studies and Disaster Management	Fifth	5	Envys 5.1
33.	Plant Tissue Culture Technology	Fifth	8	ELP 8.2
34.	Fundamentals of Agronomy	Fifth	3+1	Agron 2.2
35.	Crop Production Technology – I (<i>Kharif Crops</i>)	Fifth	1+1	Agron 3.3
36.	Crop production technology-II	Fifth	1+1	Agron 4.4
37.	Weed Management	Fifth	2+1	Agron. 4.5
38.	Farming System and Sustainable Agriculture	Fifth	1+0	Agron 5.6
39.	Geoinformatics and Precision Farming	Fifth	1+1	Agron 5.7
40.	Principles of organic farming	Fifth	1+1	Agron. 6.9
41.	Rainfed Agriculture and watershed management	Fifth	1+1	Agron 6.10

J. HRD events organized for stakeholders during 2021-22 to 2025-26

- N. M. College of Agriculture, Navsari Agricultural University, Navsari, has emerged as a vibrant and progressive institution dedicated to excellence in agricultural education, research, extension, and holistic student development. Over the years, the college has consistently strived to create a conducive environment that fosters academic achievement, innovation, leadership, and community engagement.
- During the last five years, the college has undertaken numerous academic, research, extension, training, cultural, and student development programmes aimed at benefiting various stakeholders, including students, farmers, rural youth, extension personnel, researchers, and the farming community.



- These initiatives have contributed substantially to knowledge dissemination, capacity building, technological advancement, and socio-economic development.

Various programmes and activities conducted during 2021-22 to 2025-26

Sr. No.	Name of the HRD Event	Year	Date & Duration	No. of Beneficiaries
1.	Farmers training (By Department of Extension Education and Communication)	2025-26	25-12-2026	54
2.	Farmers training (By Department of Extension Education and Communication)	2025-26	13-12-2026	15
3.	Farmers training (By Department of Extension Education and Communication)	2025-26	09-12-2026	50
4.	Farmers training (By Department of Extension Education and Communication)	2025-26	30-11-2026	50
5.	Farmers training (By Department of Extension Education and Communication)	2025-26	31-01-2026, 1 (One) Day	150
6.	Farmers training (By Department of Extension Education and Communication)	2025-26	16-01-2026, 1 (One) Day	100
7.	Capacity Building Programme (World Soil Day: Quiz, Poster, Mnemonic, Craft, Carving, Round Robin)	2025-26	December 5, 2025	241
8.	One-day state Level seminar on "Madhmakhi uccher ane Mashroom Utpadan: Samaysya ane Samadhan"	2025-26	September 3, 2025 (1 Day)	350
9.	Farmer Seminar (By Department of Agricultural Economics)	2024-25	06-02-2025, 1 (One) Day	150
10.	Farmer Seminar (By Department of Agricultural Economics)	2024-25	18-01-2025, 1 (One) Day	100
11.	ICAR Sponsored Short Course: "Recent Trends in Statistical Techniques for Agricultural Research (RT-STAR)"	2024-25	January 02-11, 2025 (21 Days)	23
12.	Capacity Building Programme (World Soil Day: Quiz, Poster, Scitoon, Still Model, Round Robin)	2024-25	December 5, 2024	161

13.	Dr. G.S. Sekhon Memorial Lecture: "Salty land of India: Genesis, current status and promising management interventions..."	2024-25	September 13, 2024	182
14.	Farmer Seminar (By Department of Agricultural Economics)	2023-24	15-03-2024, 1 (One) Day	80
15.	74th Annual Conference of ISAS: "Harnessing Statistics and Artificial Intelligence for Sustainable and Smart Agriculture"	2023-24	February 02-04, 2024 (3 Days)	114
16.	Farmers training (By Department of Extension Education and Communication)	2023-24	22-12-2023	18
17.	Farmers training (By Department of Extension Education and Communication)	2023-24	12-12-2023	27
18.	Farmers training (By Department of Extension Education and Communication)	2023-24	20-10-2023	23
19.	Farmers training (By Department of Extension Education and Communication)	2023-24	16-09-2023, 1 (One) Day	50
20.	Farmers training (By Department of Extension Education and Communication)	2023-24	17-08-2023	30
21.	One-Day National Seminar cum Quiz: "Role of Statistics in Sustainable Development Goals"	2023-24	June 29, 2023 (1 Day)	131
22.	Farmer training	2023-24	06-06-2023	29
23.	Farmer Seminar (By Department of Agricultural Economics)	2022-23	16-03-2023, 1 (One) Day	250
24.	Quiz Competition & Awareness Programme on National Sample Surveys, MoSPI, GOI	2022-23	February 28, 2023 (1 Day)	133
25.	Farmer training	2022-23	04-02-2023	26
26.	National Conference: "Innovative Resource Management Approaches for Coastal and Inland Ecosystems to Sustain Productivity and Climate Resilience"	2022-23	October 13-15, 2022	142

27.	Farmers training (By Department of Extension Education and Communication)	2022-23	05-08-2022	23
28.	Training cum Workshop on Spawn Production and Mushroom Cultivation Techniques	2022	August 3-4, 2022 (2 Days)	60
29.	National Seminar cum Workshop: "Food for Thought: Applied Statistics and its Implications"	2022-23	June 29-30, 2022 (2 Days)	59
30.	Farmers training (By Department of Extension Education and Communication)	2022-23	25-05-2022 (1 Day)	20
31.	Farmers training (By Department of Extension Education and Communication)	2022-23	17-03-2022	31
32.	ICAR Sponsored Short Course: "Pest Risk Assessment and Eco-friendly Management of Mite Pests in Agriculture"	2021-22	January 20-29, 2022 (10 Days)	27
33.	Farmer Seminar (By Department of Agricultural Economics)	2021-22	10-12-2021, 1 (One) Day	120
34.	Capacity Building Programme (World Soil Day: Quiz & Poster Making)	2021-22	December 3-4, 2021	Online
35.	Advances in Mushroom Cultivation: A sustainable key to food-nutritional and employment security	2021	September 21-22, 2021 (2 Days)	500
36.	National Seminar: "Advances in Sustainable Management of Natural Resources for Food and Nutritional Security" (Virtual)	2021-22	August 26-27, 2021	284
37.	Webinar: "Statistics for Food Security and Promoting Sustainable Agriculture"	2021-22	June 29, 2021 (1 Day)	68

K. Radio talks delivered during 2021-22 to 2025-26

Sr. No.	Name of faculty	Topic	Name of station	Date of Broadcasting
Year: 2021-22				

1	Dr. L. V. Ghetiya	Radio talk on “Madhmakhi noparagnayanma falo”	Radio talk Akashvani, Vadodara	30/11/2021
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L. TV talks delivered during 2021-22 to 2025-26

Sr. No.	Name of Faculty	Topic	Name of Channel	Date of Broadcasting
1	Dr. S. R. Patel	TV talk on “Sajiv khetima Jaivik niyantran no falo”	DD Girnar Doordarshan Kendra, Thaltej, Ahmedabad	16/04/2021
2	Dr. S. K. Paramar	Alsini vaigyanik kheti padhhati	Doordarshan	10/08/2021
3	Dr. A. G. Shukla	Phone in live TV programme on “Pan kathiri nu sankalit vyavasthapan”	DD Girnar Doordarshan Kendra, Thaltej, Ahmedabad	15/09/2021
4	Dr. Sachin R. Patel	A Phone in Live krishidarshan TV Programme on “Ambaa ma Sankalit Jivat Niyantran”	DD Girnar Doordarshan Kendra, Thaltej, Ahmedabad	16/03/2022
5	Dr. M. R. Siddhapara	TV talk on “Sajiv Khetima Jivat Niyantran”	DD Girnar Doordarshan Kendra, Thaltej, Ahmedabad	09/08/2022
6	Dr. K. B. Rakholiya	Shakbhaji pakoma Rogonu Jaivik Niyantran	Durdarshan Kendra, Ahmedabad	24/08/2022
7	Dr. G. B. Chopada / Dr. Sachin R. Patel	Ambavadiyama Rog Jivat Vyavsthapan / A Phone in Live krishidarshan TV Programme on “Ambavadiyama Rog-Jivat Vyavastha”	Durdarshan Kendra, Ahmedabad / DD Girnar Doordarshan Kendra, Thaltej, Ahmedabad	27/01/2023
8	Dr. M. R. Siddhapara	TV talk on “Sheturana Reshamna Kidano Uchher”	DD Girnar Doordarshan Kendra, Thaltej, Ahmedabad	11/04/2023
9	Dr. S. R. Patel	Phone in live TV talk on “Dangarma Jivat Niyantran”	DD Girnar Doordarshan Kendra, Thaltej, Ahmedabad	14/06/2023

10	Dr. K. B. Rakholiya	Dhanya Pakoma Rog Niyantran	Durdarshan Kendra, Ahmedabad	28/07/2023
11	Dr. D. H. Tandel	Organic Khethima Jaivik Rog Niyantrana	Durdarshan Kendra, Ahmedabad	27/10/2023
12	Dr. Gopal B. Chopada	Shiyalu Pakoma Jamin Janya Rog ane tenu Vyavsthapan	Durdarshan Kendra, Ahmedabad	01/11/2023
13	Dr. Shivangi S. Kansara	Masharoom na Rog Jivat Ane Tenu Niyantran	Durdarshan Kendra, Ahmedabad	21/02/2024
14	Dr. Sachin R. Patel	A Phone in Live krishidarshan TV Programme on "Bagayati pakoma fal makhinu vistar vyapi (area wide) Niyantran"	DD Girnar Doordarshan Kendra, Thaltej, Ahmedabad	01/05/2024
15	Dr. J. J. Pastagia	TV Talk Special Programme on "World Bee Day"	DD Girnar Doordarshan Kendra, Thaltej, Ahmedabad	20/05/2024
16	Dr. Gopal B. Chopada	Krushu ane bagayat Pakoma Sankalit Rog Jivat Niyantran	Durdarshan Kendra, Ahmedabad	26/07/2024
17	Dr. M. R. Siddhapara	Phone in live TV programme on "Krushu Ane Bagayati Pakoma Sankaliu Rog-Jivat Niyantran"	DD Girnar Doordarshan Kendra, Thaltej, Ahmedabad	16/08/2024
18	Dr. Shivangi S. Kansara	Nano Technology no pak sarkshanma Upayog	Durdarshan Kendra, Ahmedabad	15/11/2024
19	Prof. Mital I. Patel	Nano Technology no pak sarkshanma Upayog	Durdarshan Kendra, Ahmedabad	15/11/2024
20	Dr. Sachin R. Patel	A Phone in Live krishidarshan TV Programme on "Ambana Pakma Jivat Niyantran"	DD Girnar Doordarshan Kendra, Thaltej, Ahmedabad	11/12/2024
21	Dr. Gopal B. Chopada	Kerima Rog Jivat Niyantran na Pagala	Durdarshan Kendra, Ahmedabad	14/03/2025
22	Dr. K. B. Rakholiya	Natural farming ma Rog Niyantran	Durdarshan Kendra, Ahmedabad	20/08/2025
23	Dr. K. A. Shah	Jamin ma sendriya tatvo nu mahatva ane upayo	Krushu darshan (Phone in live)	25/08/2025

24	Dr. Gopal B. Chopada	Mashroom Ma Mulya Vardhan	Durdarshan Kendra, Ahmedabad	05/09/2025
25	Dr. Sachin R. Patel	A Phone in Live krishidarshan TV Programme on "Ambana Jivat Upadrav na prashno ane nivaran"	DD Girnar Doordarshan Kendra, Thaltej, Ahmedabad	07/01/2026

M. Ongoing Educational/Research/Extension Projects funded by Govt. of Gujarat and External agencies (2021-22 to 2025-26)

Sr. No.	Year	Title of the projects	Budget Head	Funding Agency	Outlay (Rs. in lakh)
1	2021-22	Strengthening of Department of Biotechnology	12097	GoG, Gujarat	34.07
2	2022-23	Strengthening of Department of Biotechnology	12097	GoG, Gujarat	34.08
3	2023-24	Strengthening of Department of Biotechnology	12097	GoG, Gujarat	35.84
4	2024-25	Strengthening of Department of Biotechnology	12097	GoG, Gujarat	36.49
5	2025-26	Strengthening of Department of Biotechnology	12097	GoG, Gujarat	39.04
6	2021-22	Establishment of Department of Plant Physiology, Tissue Culture and Bio-Technology at Agriculture College, Navsari	303/12135	GoG, Gujarat	6.00
7	2022-23	Establishment of Department of Plant Physiology, Tissue Culture and Bio-Technology at Agriculture College, Navsari	303/12135	GoG, Gujarat	8.25
8	2023-24	Establishment of Department of Plant Physiology, Tissue Culture and Bio-Technology at Agriculture College, Navsari	303/12135	GoG, Gujarat	10.85
9	2024-25	Establishment of Department of Plant Physiology, Tissue Culture and Bio-Technology at Agriculture College, Navsari	303/12135	GoG, Gujarat	6.50
10	2024-25	Establishment of Department of Plant Molecular Biology and Biotechnology	303/12115	GoG, Gujarat	5.00

11	2025-26	Establishment of Department of Plant Physiology, Tissue Culture and Bio-Technology at Agriculture College, Navsari	303/12135	GoG, Gujarat	8.91
12	2025-26	Establishment of Department of Plant Molecular Biology and Biotechnology	303/12115	GoG, Gujarat	7.41
13	2021-22	Creating of the computer and communication facility at university campus Navsari	303/12712/03	GoG, Gujarat	3.50
14	2022-23	Creating of the computer and communication facility at university campus Navsari	303/12712/03	GoG, Gujarat	5.00
15	2023-24	Creating of the computer and communication facility at university campus Navsari	303/12712/03	GoG, Gujarat	3.50
16	2024-25	Creating of the computer and communication facility at university campus Navsari	303/12712/03	GoG, Gujarat	3.50
17	2025-26	Establishment of Centralized Training and Advance Analytics Hub (NAU CENTRA)	303/12156/03	GoG, Gujarat	32.0
18	2025-26	Creating of the computer and communication facility at university campus Navsari	303/12712/03	GoG, Gujarat	4.00
19	2021-22	Rural Agricultural Work Experience.	303/12968/00	ICAR	13.00
20	2021-22	Strengthening of Extension Wing	303/12145/00	GoG, Gujarat	6.97
21	2022-23	Rural Agricultural Work Experience.	303/12968/00	ICAR	16.23
22	2022-23	Strengthening of Extension Wing	303/12145/00	GoG, Gujarat	7.00
23	2023-24	Rural Agricultural Work Experience.	303/12968/00	ICAR	12.00
24	2023-24	Strengthening of Extension Wing	303/12145/00	GoG, Gujarat	7.00
25	2024-25	Rural Agricultural Work Experience	303/12968/00	ICAR	12.0
26	2024-25	Strengthening of Extension Wing	303/12145/00	GoG, Gujarat	7.0

27	2025-26	Rural Agricultural Work Experience	303/129 68/00	ICAR	15.20
28	2025-26	Strengthening of Extension Wing	303/121 45/00	GoG, Gujarat	7.70
29	2021-22	Scheme for Interlocking and Exploring Export Potentiality for Horticultural Crops in South Gujarat at Navsari	303/120 42/00	GoG, Gujarat	5.84
30	2022-23	Scheme for Interlocking and Exploring Export Potentiality for Horticultural Crops in South Gujarat at Navsari	303/120 42/00	GoG, Gujarat	5.06
31	2023-24	Scheme for Interlocking and Exploring Export Potentiality for Horticultural Crops in South Gujarat at Navsari	303/120 42/00	GoG, Gujarat	4.04
32	2023-24	Impact assessment study on the increased agriculture power consumption in agriculture sector in South Gujarat at Navsari	334/182 87/00	Other agency	8.27
33	2024-25	Scheme for Interlocking and Exploring Export Potentiality for Horticultural Crops in South Gujarat at Navsari	303/120 42/00	GoG, Gujarat	5.65
34	2024-25	Enhancement of Agricultural Marketing Opportunities for Rural Farmers Through e - Marketing Platform in South Gujarat	303/121 04/00	GoG, Gujarat	4.33
35	2025-26	Scheme for Interlocking and Exploring Export Potentiality for Horticultural Crops in South Gujarat at Navsari	303/120 42/00	GoG, Gujarat	7.02
36	2025-26	Enhancement of Agricultural Marketing Opportunities for Rural Farmers Through e - Marketing Platform in South Gujarat	303/121 04/00	GoG, Gujarat	5.48
37	2021-22	All India Network Project on Agricultural Acarology	2092	ICAR	24.7
38	2021-22	Strengthening Research in Sericulture and Lac culture	12011	GoG, Gujarat	13.9

39	2021-22	Strengthening Research in Biological Control of Crop Pests	12947	GoG, Gujarat	16.32
40	2021-22	Scheme on Forecasting Weather, Pest & Disease at Navsari	12939	GoG, Gujarat	3.00
41	2021-22	All India Co-ordinated Research Project on Honeybees and Pollinators	2083	ICAR-Other Agency	8.08
42	2021-22	To Evaluate the Bio-Efficacy of PII 8007 (20% SC) against Insect Pests of Sugarcane	18152	Other Agency Trial	21.65
43	2021-22	To Evaluate the Bio-Efficacy of Metaldehyde 2.5% Dry Pellets against Snail in Cabbage	18213	Other Agency Trial	7.20
44	2021-22	NAHEP Component 2A: "Investments in ICAR Leadership in Agricultural Higher Education"	2127	NAHEP Project	3.89
45	2021-22	Pest Risk Assessment and Eco-Friendly Management of Mite Pests in Agriculture	2112	ICAR	2.79
46	2022-23	All India Network Project on Agricultural Acarology	2092	ICAR	30.66
47	2022-23	Strengthening Research in Sericulture and Lac culture	12011	GoG, Gujarat	14.70
48	2022-23	Strengthening Research in Biological Control of Crop Pests	12947	GoG, Gujarat	17.16
49	2022-23	Scheme on Forecasting Weather, Pest & Disease at Navsari	12939	GoG, Gujarat	3.80
50	2022-23	All India Co-ordinated Research Project on Honeybees and Pollinators	2083	ICAR-Other Agency	1.00
51	2022-23	To Evaluate the Bio-Efficacy of PII 8007 (20% SC) against Insect Pests of Sugarcane	18152	Other Agency Trial	13.21
52	2022-23	To Evaluate the Bio-Efficacy of Metaldehyde 2.5% Dry Pellets Against Snail in Cabbage	18213	Other Agency Trial	3.64
53	2022-23	NAHEP Component 2A: "Investments in ICAR Leadership in Agricultural Higher Education"	2127	NAHEP Project	2.64
54	2023-24	All India Network Project on Agricultural Acarology	2092	ICAR	49.94

55	2023-24	Area Wide Management of Fruit Fly through community approach using Nauroji Stonehouse Fruit Fly Trap in South Gujarat	12076	GoG, Gujarat	20.47
56	2023-24	Strengthening Research in Sericulture and Lac culture	12011	GoG, Gujarat	16.62
57	2023-24	Strengthening Research in Biological Control of Crop Pests	12947	GoG, Gujarat	16.29
58	2023-24	Scheme on Forecasting Weather, Pest & Disease at Navsari	12939	GoG, Gujarat	5.10
59	2023-24	All India Co-ordinated Research Project on Honeybees and Pollinators	2083	ICAR-Other Agency	2.50
60	2023-24	Evaluation of bio-efficacy of Chlorantraniliprole 9.3% w/w + Lambdacyhalothrin 4.6% w/w ZC (Ampligo 150 ZC) against Shoot borers in Sugarcane	18254	Other Agency Trial	14.52
61	2023-24	Evaluation of Bio-Efficacy of Isocycloseram 20% W/V SC against Shoot Borers in Sugarcane	18255	Other Agency Trial	14.52
62	2023-24	NAHEP Component 2A: "Investments in ICAR Leadership in Agricultural Higher Education"	2127	NAHEP Project	1.49
63	2023-24	To Evaluate the Bio-Efficacy of Metaldehyde 2.5% Dry Pellets Against Snails in Cabbage	18213	Other Agency Trial	0.92
64	2024-25	All India Network Project on Agricultural Acarology	2092	ICAR	47.74
65	2024-25	Area Wide Management of Fruit Fly through community approach using Nauroji Stonehouse Fruit Fly Trap in South Gujarat	12076	GoG, Gujarat	25.00
66	2024-25	Strengthening Research in Sericulture and Lac culture	12011	GoG, Gujarat	16.8
67	2024-25	Strengthening Research in Biological Control of Crop Pests	12947	GoG, Gujarat	17.42
68	2024-25	Scheme on Forecasting Weather, Pest & Disease at Navsari	12939	GoG, Gujarat	4.8

69	2024-25	All India Co-ordinated Research Project on Honeybees and Pollinators	2083	ICAR-Other Agency	1.25
70	2024-25	Evaluation of bio-efficacy of isocycloseram 20% w/v SC against Shoot borers in Sugarcane	18254	Other Agency Trial	11.56
71	2024-25	Evaluation of bio-efficacy of Chlorantraniliprole 9.3% w/w + Lambdacyhalothrin 4.6% w/w ZC (Ampligo 150 ZC) against Shoot borers in Sugarcane	18255	Other Agency Trial	12.04
72	2024-25	Evaluation of bio-efficacy of Cyantraniliprole 20% + Lufenuron 20% w/v SC (400 SC) against Sugarcane borers (Foliar spray)	18280	Company-Other Agency Trial	14.22
73	2024-25	Evaluation of Spidoxamat 36 G/L + Abamectin 18 G/L OD against whitefly, mites and thrips in Brinjal	18284	Company-Other Agency Trial	10.00
74	2025-26	All India Network Project on Agricultural Acarology	2092	ICAR	30.61
75	2025-26	Strengthening Research in Sericulture and Lac culture	12011	GoG, Gujarat	24.02
76	2025-26	Strengthening Research in Biological Control of Crop Pests	12947	GoG, Gujarat	13.75
77	2025-26	Scheme on Forecasting Weather, Pest & Disease at Navsari	12939	GoG, Gujarat	3.7
78	2025-26	Area Wide Management of Fruit Fly through community approach using Nauroji Stonehouse Fruit Fly Trap in South Gujarat	12076	GoG, Gujarat	24.69
79	2025-26	All India Co-ordinated Research Project on Honeybees and Pollinators	2083	ICAR-Other Agency	1.5
80	2025-26	Evaluation of bio-efficacy of isocycloseram 20% w/v SC against Shoot borers in Sugarcane	18254	Other Agency Trial	8.42
81	2025-26	Evaluation of bio-efficacy of Chlorantraniliprole 9.3% w/w + Lambda cyhalothrin 4.6% w/w	18255	Other Agency Trial	9.88

		ZC (Ampligo 150 ZC) against Shoot borers in Sugarcane			
82	2025-26	Evaluation of bio-efficacy of Cyantraniliprole 20% + Lufenuron 20% w/v SC (400 SC) against Sugarcane borers (Foliar spray)	18280	Other Agency Trial	12.8
83	2025-26	Evaluation of Spidoxamat 36 G/L + Abamectin 18 G/L OD against whitefly, mites and thrips in Brinjal	18284	Company-Other Agency Trial	9.76
84	2021-22	AICRP (Spices Voluntary)	2045	AICRP Spices	3.38
85	2021-22	Plan Scheme on "Establishment of Department of Plant Physiology, Tissue Culture and Biotechnology at Agriculture College Navsari"	12135	GoG, Gujarat	8.00
86	2021-22	Plan Scheme on "Genetic improvement and physiological evaluation of Ginger, Turmeric and Sesbania (Dhaincha) for green manuring"	12933	GoG, Gujarat	9.00
87	2021-22	Mission for integrated development of Horticulture	18930/03	DASD Calicut	3.00
88	2022-23	AICRP (Spices Voluntary)	2045	AICRP Spices	2.53
89	2022-23	Plan Scheme on "Establishment of Department of Plant Physiology, Tissue Culture and Biotechnology at Agriculture College Navsari"	12135	GoG, Gujarat	7.50
90	2022-23	Plan Scheme on "Genetic improvement and physiological evaluation of Ginger, Turmeric and Sesbania (Dhaincha) for green manuring"	12933	GoG, Gujarat	8.00
91	2022-23	Mission for integrated development of Horticulture	18930/03	DASD Calicut	1.58
92	2023-24	AICRP (Spices Voluntary)	2045	AICRP Spices	3.73

93	2023-24	Plan Scheme on “Establishment of Department of Plant Physiology, Tissue Culture and Biotechnology at Agriculture College Navsari”	12135	GoG, Gujarat	8.50
94	2023-24	Plan Scheme on “Genetic improvement and physiological evaluation of Ginger, Turmeric and Sesbania (Dhaincha) for green manuring”	12933	GoG, Gujarat	9.00
95	2023-24	Mission for integrated development of Horticulture	18930/03	DASD Calicut	1.51
96	2024-25	AICRP (Spices Voluntary)	2045	AICRP Spices	2.66
97	2024-25	Plan Scheme on “Establishment of Department of Plant Physiology, Tissue Culture and Biotechnology at Agriculture College Navsari”	12135	GoG, Gujarat	8.50
98	2024-25	Plan Scheme on “Genetic improvement and physiological evaluation of Ginger, Turmeric and Sesbania (Dhaincha) for green manuring”	12933	GoG, Gujarat	9.50
99	2024-25	Strengthening of High-Tech OMics Experimentation (HOME) Facility at Department of Genetics and Plant Breeding, NAU, Navsari	12077	GoG, Gujarat	2.66
100	2024-25	Mission for integrated development of Horticulture	18930/03	DASD Calicut	2.50
101	2025-26	AICRP (Spices Voluntary)	2045	AICRP Spices	3.56
102	2025-26	Plan Scheme on “Establishment of Department of Plant Physiology, Tissue Culture and Biotechnology at Agriculture College Navsari”	12135	GoG, Gujarat	9.91
103	2025-26	Plan Scheme on “Genetic improvement and physiological evaluation of Ginger, Turmeric and Sesbania (Dhaincha) for green manuring”	12933	GoG, Gujarat	11.40

104	2025-26	Strengthening of High-Tech OMics Experimentation (HOME) Facility at Department of Genetics and Plant Breeding, NAU, Navsari	12077	GoG, Gujarat	17.00
105	2025-26	Mission for integrated development of Horticulture	18930/03	DASD Calicut	2.10
106	2022-23	MoU between NABTD, BARC, MUMBAI and NAU, Navsari	18215-E	BARC, MUMBAI	5.00
107	2023-24	Low Budget Natural Farming (LBNF): Underpinning the Gujarat Agro-Climatic Zones' soil-specific natural farming practices for sustainable and climate resilient agriculture	18249	GoG, Gujarat	23.95
108	2023-24	Establishment of phyto-chemical extraction and characterization laboratory.	12080	GoG, Gujarat	5.25
109	2023-24	MoU between NABTD, BARC, MUMBAI and NAU, Navsari	18215-E	BARC, MUMBAI	1.00
110	2023-24	Impact of Nisarg Poshan on Maize Crop	18270	External Agencies	5.94
111	2024-25	Low Budget Natural Farming (LBNF): Underpinning the Gujarat Agro-Climatic Zones' soil-specific natural farming practices for sustainable and climate resilient agriculture	18249	GoG, Gujarat	22.38
112	2024-25	Establishment of phyto-chemical extraction and characterization laboratory.	12080	GoG, Gujarat	9.50
113	2025-26	Low Budget Natural Farming (LBNF): Underpinning the Gujarat Agro-Climatic Zones' soil-specific natural farming practices for sustainable and climate resilient agriculture	18249	GoG, Gujarat	25.78
114	2025-26	Establishment of phyto-chemical extraction and characterization laboratory.	12080	GoG, Gujarat	15.5
115	2021-22	Centre of excellence on Bioinoculants	12020	GoG, Gujarat	4.50

116	2021-22	Research on Eco-Friendly Biofertilizers	12131	GoG, Gujarat	8.00
117	2022-23	Research in Fruit Crops	5014-1	GoG, Gujarat	32.00
118	2022-23	Test protocol for efficacy evaluation of fluopyram 250 g/l + trifloxystrobin 250 g/l sc (luna sensation) on banana	18216	Bayer Crop Science Ltd,	6.66
119	2023-24	Bio-efficacy of Pseudomonas fluorescens against black rot of cabbage	18289	UAS, Dharwad	9.00
120	2024-25	Management of banana wilt caused by Fusarium oxysporum f. sp. cubense in South Gujarat through community approach	14061	Govt. Of India (RKVY)	164.5
121	2025-26	MoU between NABTD, BARC, MUMBAI and NAU, Navsari	18215-E	External Agencies	6.00
122	2025-26	Impact of Nisarg Poshan on Maize Crop	18270	External Agencies,	5.94
123	2025-26	Test protocol for efficacy evaluation of fluopyram 250 g/l + trifloxystrobin 250 g/l sc (luna sensation) on banana	18216	Bayer Crop Science Ltd,	6.66
124	2021-22	Instructional Farm Scheme	6119	GoG	5.19
125	2021-22	Weed Control Research	12929-02	GoG	2.70
126	2021-22	Establishment of Forage Research station at Navsari	12038	GoG	18.25
127	2021-22	Integrated Farming System	2040	ICAR	35.17
128	2022-23	Instructional Farm Scheme	6119	GoG	46.02
129	2022-23	Weed Control Research	12929-02	GoG	4.52
130	2022-23	Establishment of Forage Research station at Navsari	12038	GoG	23.35
131	2022-23	Integrated Farming System	2040	ICAR	39.77
132	2023-24	Instructional Farm Scheme	6119	GoG	7.11

133	2023-24	Weed Control Research	12929-02	GoG	28.8
134	2023-24	Establishment of Forage Research station at Navsari	12038	GoG	54.15
135	2023-24	Integrated Farming System	2040	ICAR	7.11
136	2024-25	Instructional Farm Scheme	6119	GoG	26.06
137	2024-25	Weed Control Research	12929-02	GoG	5.96
138	2024-25	Establishment of Forage Research station at Navsari	12038	GoG	28.51
139	2024-25	Integrated Farming System	2040	ICAR	46.73
140	2025-26	Instructional Farm Scheme	6119	GoG	32.31
141	2025-26	Weed Control Research	12929-02	GoG	4.91
142	2025-26	Establishment of Forage Research station at Navsari	12038	GoG	25.15
143	2025-26	Integrated Farming System	2040	ICAR	45.48

N. Completed Educational/Research/Extension Projects funded by Govt. of Gujarat and External Agencies in past in five years (2021-22 to 2025-26)

Sr. No.	Title of the projects	Budget Head	Funding Agency	Outlay (Rs. in lakh)
1.	Establishment of High-Tech OMics Experimentation (HOME) Facility at Department of Genetics and Plant Breeding, NAU, Navsari	14057	RKVY	904.84
2.	Impact assessment study on the increased agriculture power consumption in agriculture sector in South Gujarat at Navsari	334/18287/00	Other agency	08.27

O. Revenue generated during the years 2021-22 to 2025-26

Revenue generation by various departments plays a significant role in strengthening the financial sustainability and overall development of the college. The departments of N. M. College of Agriculture generate revenue through various activities such as sale of



biofertilizers, bioagents, farm produce, planting materials, value-added products, ELPs and other academic and research-related activities. Such revenue reflects the practical application of knowledge, efficient utilization of available resources, and the expertise of faculty members and technical staff. The generated income supports the maintenance and improvement of departmental facilities, laboratories, and experimental farms. It also promotes innovation, experiential learning, and entrepreneurship among students. Moreover, revenue-generating activities enhance the linkages between the college, farmers, industries, and other stakeholders. These efforts contribute to self-reliance, institutional growth, and the enhancement of the college's academic and research capabilities.

Revenue Generated through various schemes and activities during 2021-22 to 2025-26

Sr. No.	Year	Particulars	Revenue (Lakh Rs.)	Credited in B.H.
1	2021-22	Banana tissue culture plantlets (Plant Physiology Dept. Plan Scheme BH12135)	0.77026	12135
3		Quality Planting Materials	1.69620	9510-N-53, 12933, 12135
4		Rice seeds	8.34895	6119
5		Sunnhemp seeds	1.68750	6119
Total (2021-22):			12.50291	-
6	2022-23	Banana tissue culture plantlets (Plant Physiology Dept. Plan Scheme BH12135)	2.48989	12135
7		Selling Nauroji Stonehouse Fruit fly Traps	7.01000	9510-N-42
8		Quality Planting Materials	0.82120	9510-N-53, 12933, 2045
9		Rice seeds	7.59532	6119
10		Sunnhemp seeds	1.01790	6119
Total (2022-23):			18.93431	-
11	2023-24	Banana tissue culture plantlets (Plant Physiology Dept. Plan Scheme BH12135)	0.35477	12135
12		Selling Nauroji Stonehouse Fruit fly Traps	7.05000	9510-N-42
13		Quality Planting Materials	0.81825	9510-N-53, 12933, 2045
14		Rice seeds	8.57952	6119
15		Sunnhemp seeds	2.17360	6119
Total (2023-24):			18.97614	-

16	2024-25	Banana tissue culture plantlets (Plant Physiology Dept. Plan Scheme BH12135)	0.88816	12135
17		Selling Nauroji Stonehouse Fruit fly Traps	9.76000	9510-N-42
18		Quality Planting Materials	1.14495	9510-N-53, 12933, 2045
19		Rice seeds	5.17049	6119
20		Sunn hemp seeds	3.52800	6119
Total (2024-25):			20.49160	-
21	2025-26	Banana tissue culture plantlets (Plant Physiology Dept. Plan Scheme BH12135)	0.14963	12135
22		Selling Nauroji Stonehouse Fruit fly Traps	3.49000	9510-N-42
23		Quality Planting Materials	1.33320	9510-N-53, 12933, 2045
24		Rice seeds	4.84576	6119
25		Sunn hemp seeds	3.58275	6119
Total (2025-26):			13.40134	-
Grand Total:			84.30630	

P. MoU's and Collaborations

- Memorandums of Understanding (MoUs) and institutional collaborations constitute an important component of the academic and professional development framework of N. M. College of Agriculture.
- Through strategic partnerships with industries, research institutions, government organizations, private enterprises, and State and Central Agricultural Universities, the college has strengthened its capacity to deliver quality education, conduct meaningful research, and promote effective extension activities.
- In addition, MoUs and institutional collaborations play a vital role in mobilizing financial assistance, sponsored research projects, consultancy assignments, and institutional funding for innovative academic, research, and extension initiatives.

Some key MOUs and Collaboration are enlisted below:

Year-wise record of organizations/ institution/ research centres/industries MoU's and Collaborations (2021-22 to 2025-26)

Sr. no	Name of party	Details of MoU	Effective from (Date)
1.	IMD, New Delhi	MoU between NAU and IMD New Delhi, regarding agrometeorological advisory for farmers.	04/08/2023

2.	University of agricultural Science, Dharwad, Karnataka	To Conduct bio-efficacy trial on “Bio efficacy of Pseudomonas fluorescens against black rot of cabbage”	23/10/2024
3.	R.N.G. Patel Institute of Technology, Bardoli-394620, Gujarat	Collaboration and Co-operation between these institutes will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.	28/03/2025
4.	Dang Ahwa Farmer Producer Company Ltd.	The training programs and workshops on digital marketing and e-marketing will be organized for farmers and DAFPCL employees for connecting farmers with digital marketing platforms, as well as for awareness and education, exchange of ideas and information related to research and extension, etc.	07/10/2025

Q. Programme Structure and Regulatory Alignment

The B.Sc. (Hons.) Agriculture programme is structured and implemented in accordance with the recommendations of the ICAR V and VI Deans' Committees, with a duration of four years comprising eight semesters under the Choice Based Credit System (CBCS). The programme is aligned with NEP 2020 and incorporates the Academic Bank of Credits (ABC). Experiential learning is integrated through Student READY, Experiential Learning Programme (ELP), Skill Enhancement Courses (SEC), RAWE and internships as per ICAR norms. The medium of instruction is English, while admission is conducted through ICAR AIEEA-UG and the state-level GSAUCA system.

The compliance status of the program, 'B. Sc. (Hons.) Agriculture' as per ICAR's recommendations is as follows:

Compliance Status of B. Sc. (Agri.) Hons. Programme

Aspect	Compliance Status
Degree Nomenclature	B. Sc. (Hons.) Agriculture — as per ICAR V & VI Deans' Committee
Duration	4 years (8 semesters)
Credit System	Choice Based Credit System (CBCS)
NEP 2020 Alignment	Yes — includes Academic Bank of Credits (ABC)

Experiential Learning	Student READY/ELP/SEC/RAWE/Internship as per ICAR norms (V and VI Deans')
Medium of Instruction	English
Admission	Through ICAR AIEEA-UG / State-level (GSAUCA)
Intake (as on 2025-26)	153 (Including 28 ICAR quota)

FACULTY STRENGTH OF N. M. COLLEGE OF AGRICULTURE

Sr. No	Cadre	Sanctioned Faculty	Faculty in place	Faculty recommended by ICAR
1	Principal and Dean	01	01	01
2	Professor	10	10	06
3	Associate Professor	29	17	16
4	Assistant Professor	57	47	62
	Total	97	75	85

Deviation Analysis vis-à-vis ICAR-MSHAE

Benchmark: ICAR Minimum Standards of Higher Agricultural Education (MSHAE) for B. Sc. (Hons.) Agriculture.

Cadre	ICAR Recommended	Sanctioned (GoG)	In-Position	Vacant	Deviation (Sanctioned - Recommended)	Justification & Corrective Action
Principal	01	01	01	0	0	----
Professor	06	10	10	0	+4	---
Associate Professor	16	29	17	12	+13	--
Assistant Professor	62	57	47	10	-5	Proposal for recruitment and additional post have already submitted to GoG
Total	85# (#including Principal)	97	75	22	+12	Sanctioned strength is more than ICAR norm.

Faculty-Student Ratio (Evaluation Period: 2021-22 to 2025-26)

Academic Year	Total Students*	Permanent Faculty	Ratio (Permanent Only)	AICTE Norm	Status
2021-22	564	66	1:8.5	1:15	Compliant
2022-23	582	67	1:8.6	1:15	Compliant
2023-24	580	62	1:9.3	1:15	Compliant
2024-25	597	66	1:9.0	1:15	Compliant
2025-26	631	75	1:8.4	1:15	Compliant

*Total B. Sc. (Hons.) Agriculture Students = sum of students across all 8 semesters.

Summary statement:

The deviation analysis indicates that the institution has an overall sanctioned faculty strength exceeding the ICAR-MSHAE requirement by 14 positions, ensuring adequate human resources for academic and research activities. While there is a surplus in the Professor and Associate Professor cadres, a marginal shortfall of two Assistant Professor positions exists, for which proposals for recruitment and creation of additional posts have already been submitted to the Government of Gujarat. Despite the existing vacancies, the institution has maintained a strong faculty base with 74 faculty members in position.

Furthermore, the faculty-student ratio has consistently remained well within the prescribed AICTE norm of 1:15 during the assessment period (2021-22 to 2025-26), ranging from 1:8.5 to 1:9.3. This demonstrates that the institution is adequately staffed and capable of delivering quality education, mentoring, and academic support to students while remaining compliant with regulatory standards

TECHNICAL AND SUPPORTING STAFF

The list of technical and supporting staff, their name, designation, date of appointment in the college and other relevant information is given below.

(a) Dean's Office Staff

Sr. No.	Name	Designation
1.	Dr. P. B. Patel	Principal & Dean
2.	Prof. Nitinkumar M. Patel	Asst. Administrative Officer (I/C)
3.	Dr. Ashish Vasant Sonawane	Technical Officer to Dean, ICAR Nodal officer, NSP Institute Nodal Officer
4.	Dr. Sachin R. Patel	PG Coordinator

5.	Dr. Gaurav Sharma	UG Coordinator
6.	Shri Chandrakant Naranbhai Patel	Office Superintendent
7.	Shri Hiren Maheshbhai Patel	Head Clerk
8.	Shri Hiren Maheshbhai Patel	Junior Clerk
9.	Kum. Jignasha S. Gohil	Agriculture Assistant
10.	Smt. Neela S. Patel	Senior Clerk
11.	Kum. Shivani N. Patel	Agriculture Assistant
12.	Shri Hemantbhai K. Patel	Senior Clerk
13.	Smt. Mayaben S. Rabari	Senior Clerk-cum-Cashier
14.	Shri Yogeshkumar B. Patel	Senior Clerk
15.	Smt. Neela S. Patel	Senior Clerk
16.	Shri Miteshkumar R. Patel	Senior Clerk
17.	Shri Jayesh L. Gohil	Junior Clerk
18.	Kum. Jinal G. Patel	Personal Assistant/Agriculture Assistant

(b) List of staff

Sr. No	Name	Designation*	Date of First Appointment	Present Office Joining Date
1.	Dr. Pathikumar Baldevbhai Patel	Principal & Dean	13/11/2006	01/07/2025
Faculty				
2.	Dr. Hiteshbhai Manjibhai Viradiya	Professor	01/01/1996	19/04/2023
3.	Dr. Lalit Chanchalmal Mahatma	Professor	01/05/2008	01/02/2009
4.	Dr. Sagar Janardan Patil	Professor	01/12/2006	01/06/2022
5.	Dr. Kamleshbhai Ganeshbhai Patel	Professor	16/04/1990	01/07/2018
6.	Dr. Narendra Singh	Professor	17/07/2010	24/08/2019
7.	Dr. Alok Srivastava	Professor	14/08/2015	01/04/2021
8.	Dr. Riteshkumar Kanubhai Patel	Professor	28/02/2012	28/02/2012
9.	Dr. Priya Jhon	Professor	10/04/2008	10/07/2009
10.	Dr. Jayesh Jayantilal Pastagiya	Associate Professor	30/06/1990	01/03/2024
11.	Dr. Kalubhai Balubhai Rakholiya	Associate Professor	22/03/1995	08/04/2011
12.	Dr. Rajeshkumar Bhimjibhai Ardeshta	Associate Professor	01/10/2012	01/05/2026

13.	Dr. Vallabhbhai Jerambhai Zinzala	Associate Professor	01/01/2013	08/11/2016
14.	Dr. Shamjibhai Dulabhai Kavad	Associate Professor	04/04/2008	08/11/2016
15.	Dr. Kaushalkumar Gunvantray Modha	Associate Professor	03/05/2011	23/11/2019
16.	Dr. Ramesh Mohan Pankhaniya	Associate Professor	19/02/1999	25/01/2012
17.	Dr. Denikumar Harishbhai Tandel	Associate Professor	17/02/2009	01/05/2012
18.	Dr. Bankimchandra Laxmanbhai Radadiya	Associate Professor	23/01/2012	01/11/2018
19.	Dr. Labhubhai Kashiram Arvadiya	Associate Professor	24/03/1995	01/11/2018
20.	Dr. Ajay Vitthalrao Narwade	Associate Professor	16/04/2008	16/04/2008
21.	Dr. Vipul Tanaji Shinde	Associate Professor	25/02/2013	01/11/2020
22.	Dr. Gaurav Sharma	Associate Professor	02/09/2015	01/02/2019
23.	Dr. Sushil Singh	Associate Professor	10/01/2013	10/01/2013
24.	Dr. Sachin Rameshchandra Patel	Associate Professor	10/08/2015	10/08/2015
25.	Dr. Vaibhavkumar Kanubhai Chaudhary	Associate Professor	13/08/2025	13/08/2025
26.	Dr. Bhumikaben Bhagubhai Tandel	Associate Professor	10/08/2015	10/08/2015
27.	Dr. Bhumika Ashokbhai Patel	Associate Professor	11/08/2015	01/05/2022
28.	Dr. Ravat Rambhai Sisodiya	Assistant Professor	08/11/2016	01/08/2019
29.	Dr. Dineshbhai Haribhai Chaudhary	Assistant Professor	26/08/2019	01/04/2022
30.	Dr. Amitkumar Thakorabhai Patel	Assistant Professor	12/07/2012	19/04/2025
31.	Dr. Ritaben Rahulbhai Patel	Assistant Professor	20/08/2008	25/05/2018
32.	Dr. Bhushan Himmatrao Kale	Assistant Professor	21/02/2012	25/06/2014
33.	Dr. Bhaveshkumar Bharatbhai Patel	Assistant Professor	12/08/2015	01/02/2026
34.	Dr. Dharmeshkumar Babubhai Bhinsara	Assistant Professor	23/08/2019	26/07/2024
35.	Dr. Nayan Mathurbhai Thesiya	Assistant Professor	16/05/2012	01/08/2019

36.	Dr. Kinjalkumar Arvindbhai Shah	Assistant Professor	06/02/2012	01/07/2025
37.	Dr. Rajendrakumar P. Bambhroliya	Assistant Professor	05/03/2013	01/07/2025
38.	Mrs. Kotramma C. Addangadi	Assistant Professor	26/10/2016	01/07/2020
39.	Dr. Rajeshbhai Mansukhbhai Bhuva	Assistant Professor	26/08/2019	01/01/2022
40.	Dr. Jagdishbhai V. Patel	Assistant Professor	06/04/2011	01/11/2016
41.	Dr. Ankurkumar Dhanjibhai Chaudhary	Physical Instructor	01/02/2012	01/02/2012
42.	Dr. Nitin Varshney	Assistant Professor	13/09/2019	01/07/2025
43.	Dr. Parasottambhai Bhimabhai Khodifad	Assistant Professor	22/03/1995	16/01/2013
44.	Dr. Chintan Vikram Kapadiya	Assistant Professor	22/01/2013	05/07/2025
45.	Dr. Meghnakumari Gunvantray Verma	Assistant Professor	27/08/2013	01/06/2024
46.	Dr. Kalpeshkumar Laxmanbhai Chaudhary	Assistant Professor	27/08/2019	27/08/2019
47.	Prof. Nitinkumar Madhusudanbhai Patel	Assistant Professor	15/06/1989	21/01/2012
48.	Dr. Rahul Ramdas Pisal	Assistant Professor	02/01/2014	01/06/2024
49.	Dr. Kapil Mohanlal Patel	Assistant Professor	27/08/2015	27/08/2015
50.	Dr. Chandrashekhar Uttamrao Shinde	Assistant Professor	03/03/2013	03/03/2013
51.	Dr. Kailashbhai Dalubhai Tandel	Assistant Professor	19/06/2010	01/09/2020
52.	Dr. Sandipkumar Ramjibhai Kumbhani	Assistant Professor	22/01/2013	16/11/2019
53.	Dr. Ashish Vasant Sonawane	Assistant Professor	17/01/2014	01/09/2024
54.	Dr. Rinakumari Shriharivansh Mishra	Assistant Professor	19/08/2015	19/08/2015
55.	Dr. Neethu T. M.	Assistant Professor	26/08/2019	26/08/2019
56.	Dr. Mital Ishwarbhai Patel	Assistant Professor	15/11/2016	26/08/2019
57.	Dr. Mukesh Ramjibhai Siddhapara	Assistant Professor	10/08/2015	10/08/2015
58.	Dr. Mrugeshkumar Dhirajlal Khunt	Assistant Professor	06/04/2011	06/04/2011

59.	Dr. Gopal Babubhai Chopda	Assistant Professor	19/08/2015	19/08/2015
60.	Dr. Trupti Kantilal Vyas	Assistant Professor	08/04/2013	08/04/2013
61.	Prof. Jaymin Ranjitray Nayak	Assistant Professor	12/06/1989	01/10/1992
62.	Dr. Madhubala	Assistant Professor	01/02/2012	01/09/2015
63.	Dr. Dixitaben Manubhai Chaudhari	Assistant Professor	28/09/2015	01/08/2025
64.	Dr. Shivangi Sunilkumar Kansara	Assistant Professor	24/08/2015	24/08/2015
65.	Dr. Rasikbhai Kanubhai Kapadiya	Assistant Professor	01/10/2015	19/04/2025
66.	Dr. Balaji Mohan Mote	Assistant Professor	28/08/2019	01/08/2025
67.	Dr. Kirankumar Parasottambhai Suthar	Assistant Professor	01/04/2011	01/09/2024
68.	Dr. Kripanarayan Surendrabhai Shukla	Assistant Professor	21/07/2025	21/07/2025
69.	Dr. Aditi Rajeshkumar Chauhan	Assistant Professor	22/07/2025	22/07/2025
70.	Dr. Ishitaben Mukeshbhai Hirpara	Assistant Professor	29/07/2025	29/07/2025
71.	Dr. Mohammad Husen Talibali Khorajiya	Assistant Professor	29/07/2025	29/07/2025
72.	Dr. Samarth Ramanbhai Patel	Assistant Professor	14/08/2025	14/08/2025
73.	Dr. Jatinkumar Jashvantbhai Ghadiyali	Assistant Professor	20/08/2025	20/08/2025
74.	Dr. Majulaben Ganeshbhai Chaudhary	Assistant Professor	14/08/2025	14/08/2025
75.	Prof. Sejalben Dineshbhai Muniya	Assistant Professor	09/10/2025	09/10/2025
76.	Shri Devabhai Shivabhai Rabari	Agricultural Officer	19/09/2018	01/07/2021
77.	Shri Bharatbhai Vasantbhai Patel	Agricultural Officer	12/06/1989	12/01/2016
78.	Shri Mahboobbhai Kasambhai Malek	Agricultural Supervisor	06/12/1989	05/10/2021
79.	Shri Mehulkumar Dhirubhai Vasrakar	Agricultural Supervisor	13/08/2008	13/08/2008
80.	Shri Manish Rameshbhai Parmar	Agricultural Supervisor	21/10/2011	01/06/2023
81.	Smt. Bhaviniben Nimeshbhai Patel	Laboratory Assistant	22/03/2010	09/01/2024

82.	Smt. Nimisha Sanjaykumar Tandel	Laboratory Technician	25/09/2008	25/09/2008
83.	Smt. Kajalben Dushyantbhai Patel	Laboratory Technician	07/10/2010	18/01/2016
84.	Smt. Megha Tarak Vyas	Laboratory Technician	21/04/2010	01/02/2020
85.	Smt. Rupal Pathikkumar Patel	Laboratory Technician	20/04/2010	01/02/2020
86.	Shri Avneep Suresh Nair	Stenographer Grade-II	01/10/2018	08/10/2024
87.	Shri Chandrakant Naranbhai Patel	Office Superintendent	01/12/1990	28/07/2022
88.	Shri Hemant Kantilal Patel	Senior Clerk	30/11/1989	19/01/2023
89.	Shri Yogeshkumar Balubhai Patel	Senior Clerk	30/08/2006	30/08/2006
90.	Shri Miteshkumar Rameshbhai Patel	Senior Clerk	31/01/2006	31/01/2006
91.	Smt. Mayaben Sanjaykumar Rabari	Senior Clerk	19/03/2010	03/12/2020
92.	Smt. Nilaben Sandipbhai Patel	Senior Clerk	31/08/2012	25/05/2022
93.	Shri Hiren Maheshbhai Patel	Junior Clerk	07/09/2010	07/11/2024
94.	Shri Jayesh Laxmanbhai Gohil	Junior Clerk	24/01/2022	24/01/2022
95.	Shri Rinkeshkumar Shaileshbhai Patel	Agricultural Assistant	24/09/2015	01/08/2017
96.	Shri Nileshbhai Bharatbhai Patel	Agricultural Assistant	24/09/2015	01/08/2017
97.	Smt. Krupali Manishbhai Patel	Agricultural Assistant	08/09/2017	08/09/2017
98.	Shri Mayurkumar Dhanabhai Goyal	Agricultural Assistant	01/10/2015	01/07/2019
99.	Shri Mit Pareshbhai Nayak	Agricultural Assistant	08/09/2017	08/09/2017
100.	Kum. Jinal Jayantilal Patel	Agricultural Assistant	08/09/2017	08/09/2017
101.	Shri Girish Vinubhai Sabhaya	Agricultural Assistant	13/09/2017	01/08/2021
102.	Kum. Shivani Naitikbhai Patel	Agricultural Assistant	08/09/2017	01/07/2018
103.	Kum. Jignasha Shantilal Gohil	Agricultural Assistant	13/09/2017	01/05/2026
104.	Shri Dipanbhai Kishorbhai Patel	Agricultural Assistant	01/03/2017	01/08/2017
105.	Shri Jayesh Dayalbhai Patel	Agricultural Assistant	08/09/2017	08/09/2017
106.	Shri Kalpeshbhai Mohanbhai Patel	Agricultural Assistant	24/09/2015	24/09/2015

107.	Shri Dharmik Manubhai Vastrapara	Agricultural Assistant	15/09/2017	04/08/2020
108.	Shri Vikas Kumar Amrutbhai Patel	Agricultural Assistant	24/09/2015	01/05/2026
109.	Shri Nileshbhai Ishwarbhai Patel	Driver	03/02/2001	01/12/2001

* Designation as per the service book records.

CLASSROOMS, LABORATORIES AND OTHER SUPPORTING UNITS

The number of classrooms and functional laboratories available for the degree and PG programme to meet the requirements of the course curriculum, along with the list of major equipment, laboratories, farm facilities, workshops, and other instructional units utilized for the award of the degree programme, are provided below.

No. of class rooms (Lecture, Seminar, Conference& Auditorium Hall):

The college is equipped with adequate lecture halls, seminar rooms, conference facilities, and an auditorium to support effective teaching-learning activities, academic interactions, seminars, workshops, and co-curricular programmes. The brief detail is as under.

Details of classrooms facilities available in NMCA

Sr. No.	Facilities	No. of classroom	Size Approximate (Sq. ft.)	Seating Capacity
1.	Lecture hall /Smart /Digital Class Room cum- Examination Hall	05	1850 (each class room size)	140 (each classroom capacity)
2.	Seminar Hall (Virtual Classroom)	01	2150	300
3.	Auditorium (ASPEE auditorium)	01	14000	1100

Details of Laboratories with Instrument Facilities

- ✓ N. M. College of Agriculture provides modern and well-established laboratory facilities for undergraduate students pursuing B.Sc. (Hons.) Agriculture. The laboratory infrastructure has been developed in accordance with the norms and guidelines prescribed by the Indian Council of Agricultural Research (ICAR), ensuring high standards of practical education, research, and skill development.
- ✓ The college houses fully equipped laboratories in major agricultural disciplines, including Agronomy, Horticulture, Genetics and Plant Breeding, Entomology, Soil Science, Plant Pathology, and other allied fields. These laboratories are furnished with the necessary instruments, equipment, and teaching aids required for

conducting practical classes, demonstrations, experiments, and advanced research activities. The facilities enable students to acquire hands-on experience and develop technical competencies essential for professional growth and scientific inquiry.

- ✓ To support advanced research and analytical work, the college also maintains specialized facilities such as the Central Instrumentation Laboratory, which provides access to sophisticated instruments and analytical equipment for students, researchers, and faculty members. These facilities significantly strengthen the research capabilities of the institution and facilitate the generation of quality scientific outputs.
- ✓ Each laboratory is designed to accommodate up to 45 students at a time, ensuring effective practical training, close interaction with faculty members, and efficient utilization of laboratory resources.
- ✓ In addition to laboratory facilities, the college possesses approximately 80 hectares of agricultural land, which serves as a valuable resource for field experimentation, demonstration activities, practical training, and research investigations. This farm area is extensively utilized by undergraduate, postgraduate, and doctoral students for conducting research projects, thesis work, field trials, and various experiential learning activities, thereby providing them with practical exposure to real-world agricultural conditions and production systems.

Department wise functional laboratories:

Sr. no	Department	UG Lab	Instructional farm	Workshops/ Units	Other
1.	Agronomy	1	1	1 (Crop cafeteria)	02 (Seed and weed museum)
2.	Agricultural Economics	1	-	-	-
3.	Agricultural Statistics	3	-	-	1 (Language lab)
4.	Agricultural Extension and Communication	1 (AV lab)	-	-	-
5.	Entomology	2	-	1 (Biocontrol lab)	1 (Insectarium/ Sericulture lab)
6.	Genetics and Plant Breeding	1	1	1 (Botanical garden)	3 (Research laboratories)
7.	Soil Science and Agricultural Chemistry	4	-	-	1 (Central Instrumentation Laboratory)
8.	Agricultural Microbiology	1	-	-	-

9.	Plant Pathology	2	-	1 (Biofertilizer and Biopesticide production unit)	4 (2 Research labs and 2 Museums)
10.	Agricultural Engineering	3	1	1 (Engineering Workshop)	2 9 Meteorological Observatory and Hydroponics unit, RS GIS and Hydro. Modelling lab)
11.	Plant Physiology	1	-	-	1 (Tissue culture laboratory)
12.	Plant Molecular Biology and Biotechnology	1	-	-	-
13.	Horticulture	2	-	-	1 (College Nursery)
14.	Animal Science	1	-	-	-

List of important equipment available in the college

Department wise important instruments are enlisted as below

Agronomy		
Sr. No.	Name of the Instrument/Equipment	Number
1.	Hot air oven	2
2.	Moisture box	50
3.	Weighing Balance	2
4.	Conductivity Meter	1
5.	pH Meter	1
6.	Water Bath	1
7.	Shaker	1
8.	Drip and Sprinkler System	1
9.	Sprayer	2
10.	Spring Balance 50 Kg	3
11.	Meter Scale	1
12.	Tape	2
13.	Water single distillation unit (10 lit capacity)	1
14.	Automatic Nitrogen analyzer	1
15.	Spectrophotometer	1
16.	Flame photometer	1

17.	Top Pan Balance 2 kg capacity	1
18.	Top Pan Balance 100 kg capacity heavy best	1
19.	Balance 30kg capacity	2
20.	Electro quip hot plate	2
21.	Lab willy grinder 25 HP	1
22.	CO ₂ cylinder	1
23.	Bush cutter	1
24.	Bund former	1
25.	Ridger	2
26.	Rotavator	1
27.	Thresher	1
28.	Mini tractor CVTI180D HS/JA-4W PTO 16.5 HP/tractor 45 HP/ Mahindra yuvo 575 DI tractor	4
29.	Cultivator mini/9 danti cultivator/5 danti cultivator	3
30.	9 danti cultivator frame	1
31.	Rotary Mitsubishi shakti/Power tiller with rotary/ VST power tiller	4
32.	Diesel pump 5 HP	1
33.	Tractor trailer	1
34.	2 furrow plough	1
35.	Land leveler/ samaar	2
36.	Disc plough	1
37.	Disc harrow	1
38.	V ditcher	1
39.	SPHT power sprayer	1
40.	Steel body boggy	1
41.	karab	1
42.	Water cooler	1
43.	Cage wheel	1
44.	Pedal scale harvester	1
45.	Engine operated sprayer pump	1
46.	Multimedia projector	1
47.	Raise bed roller	1
48.	Honda diesel machine	1
49.	screw auger	1
Agricultural Extension and Communication		
1.	LCD projector	1
2.	Camera (SLR) with zoom, wide-angle, tele-photo lens	1
3.	Video camera with tripod, lighting accessories and editing facility	1
4.	Computers (workstation) with editing softwares	1

5.	Digital voice recorders	5
6.	Audio recording-mixing consoles	1
7.	Computation softwares for statistics	1
Entomology		
1.	Binocular Microscope	20
2.	Insect Box	300
3.	Insect Collection Nets	300
4.	Collection Bottles	500
5.	Insect Collection Big Boxes for Museum	30
6.	Insecticides for showing students/Representative for each group	37
7.	Stereomicroscope	1
8.	Electronic Balance	2
9.	Soxhlet Extraction Apparatus	1
10.	Bee keeping equipments	1 set
11.	Oven	2
12.	Patters Tower	1
13.	Sprayers	7
14.	Light traps	1 set
15.	Fumigation Chamber	1
16.	Sides/cover slips	500
17.	pH meter	1
18.	Computer with printer	1 set
19.	Hot plate with magnetic stirrer	1
Genetics and Plant Breeding		
1.	Nanodrop	1
2.	Lab computers	10
3.	Bioinformatics cluster	1
4.	Sanger sequencing platform with PC	1
5.	NGS platform (S5 Plus with Computer)	1
6.	Deep freeze (-20°C) (Vertical, Bluestar)	7
7.	Refrigerated Centrifuge	4
8.	Controlled growth chamber	1
9.	Real time PCR with laptop	2
10.	Water bath	3
11.	pH meter	3
12.	Ultrapure Water purification system	1
13.	Liquid handling system	1
14.	Capillary electrophoresis with laptop	1
15.	Incubator cum shaker	1
16.	PCR machines	7

17.	Hot air over	2
18.	Gel documentation system	3
19.	Online UPS (5kVA)	3
20.	Vertical Laminar air flow	2
21.	Horizontal laminar air flow	5
22.	Electronic weighing balance	3
23.	Autoclave	3
24.	Gel electrophoresis unit with power supply	3
25.	Automatic DNA extractor with laptop	1
26.	Tissue culture racks	20
27.	Humidifier	2
28.	Dehumidifier	2
29.	Air Conditioner	16
30.	Stabilizer (100 KVA)	1
31.	Diesel Generator Set	2
32.	Speed breeding facility	1
33.	Micro centrifuge	1
34.	Refrigerator (2-8°C)	6
35.	RO unit	1
36.	Magnetic stirrer	1
37.	Deep Freezer (-80 °C)	2
38.	Liquid Nitrogen can	3
39.	Microwave oven	3
40.	Online UPS (10 KVA)	5
41.	Microscopes	10
42.	Stereomicroscope	1
43.	Ion chef	1
44.	Qbit	1
45.	Tap station with HP laptop	1
46.	Biosafety cabinet	1
47.	Nanopore sequencer	1
Soil Science and Biochemistry		
1.	Electronic Top pan balance (0.1 g capacity)	4
2.	Electronic Top pan balance (1 mg capacity)	5
3.	Hot air oven	1
4.	pH Meter	4
5.	EC Meter	5
6.	Flame Photometer	5
7.	Visible spectrophotometer	2
8.	Hot Plate	2
9.	Distilled water unit	1

10.	Water Bath	2
11.	Rotary Shaker	2
12.	Binocular Microscope	1
13.	BOD Incubator	1
14.	Autoclave	1
15.	Laminar Air Flow	1
16.	Microwave oven	1
17.	Digestion block	2
18.	Hydrometer	1
19.	Infiltrrometer	1
20.	Hydraulic conductivity meter	1
21.	Nitrogen Analyzer	2
22.	Moisture Analyzer Balance	1
23.	Willy Mill	5
24.	SDS Page gel Electrophoresis	1
25.	Crude Fiber	1
26.	Muffle Furnace	1
27.	Ultra Sonic Bath	1
28.	Low Volume Concentrate	1
29.	HPLC	1
30.	Socs Plus (Oil Analyzer)	1
31.	AAS	1
32.	AES	1
33.	Colony Counter	1
34.	COD	1
35.	Incubator Shaker	1
36.	Refrigerator centrifuge	1
37.	UV-VIS Spectrophotometer	1
Agricultural Microbiology		
1.	Electronic Top pan balance (0.1 g capacity)	2
2.	Electronic Top pan balance (1 g capacity)	1
3.	Hot air oven	1
4.	pH meter	1
5.	EC meter	1
6.	Visible spectrophotometer	1
7.	Hot Plate	1
8.	Water Bath	1
9.	Rotary Shaker	1
10.	Binocular Microscope	4
11.	Monocular microscope	10
12.	BOD incubator	1

13.	Autoclave	1
14.	Laminar air flow	2
15.	Incubator cum shaker	1
16.	Refrigerator	1
17.	Colorimeter	1
18.	Incubator	1
19.	Automated loop sterilizer	1
Plant Pathology		
1.	Microscope compound with photo display arrangement	3
2.	Stereobinocular Microscope	3
3.	Sample processing board	4
4.	Wet preservation jars	50
5.	Autoclave Vertical	5
6.	Hot Air Oven	2
7.	Deep freezer	1
8.	Cooling Centrifuge	1
9.	Centrifuge	1
10.	Refrigerator	2
11.	Water bath	1
12.	Electronic Balance	2
13.	Weighing balance	2
14.	BOD Incubator	3
15.	Ocular micrometer	5
16.	Stage micrometer	5
17.	Camera lucida	5
18.	Laminar Air Flow	4
19.	Monocular Microscope	25
20.	Binocular Microscope	5
21.	Colony Counter	2
22.	Rotary Flask Shaker	2
23.	Lyophilizer	1
24.	Microwave oven	2
25.	Thermal Cycler	2
26.	Gel documentation	2
27.	pH Meter	1
28.	Distillation unit	1
29.	Magnetic stirrer	1
30.	Liquid Nitrogen can	1
31.	UV Spectrophotometer with Accessories	1
32.	Biolog	1

33.	Humidifier	1
34.	UV Transilluminator	1
35.	Electrophoresis system	1
Agricultural Engineering		
1.	John Deere Tractor	1
2.	Level Plate	1
3.	Mole Plough With Two Tyne	1
4.	Mini Tractor	1
5.	Diesel Engine	1
6.	Leveler Scoop	1
7.	Paddy Transplanter	1
8.	Mower	1
9.	Laser Leveler	1
10.	Reversible Plough	1
11.	Cultivator	1
12.	Paddy Drum Seeder	1
13.	Tractor Rear Mounted Automatic Sugarcane Planter	1
14.	Sub Soiler	1
15.	Disk Harrow	1
16.	Seed Drill	1
17.	Chisel Plough	1
18.	Honda self propelled weeder	1
19.	Mini Tractor Operated Sprayer	1
20.	Boom Sprayer Tractor Operated	1
21.	Rotavator	1
22.	Hand Operated Sprayer	5
23.	Cut model of CI & SI engine	1
Plant Physiology		
1.	Spectrophotometer	1
2.	PCR	2
3.	Chlorophyll meter (SPAD)	1
4.	IRGA (Photosynthesis system)	1
5.	Thermal image camera	1
6.	Microscopes	24
7.	Laminar air flow	3
8.	pH meter	1
9.	Weighing balance	1
10.	Double distillation unit	1
11.	Hot air oven	2
12.	Autoclave	1
13.	Fridge	1

14.	Air purifier	1
15.	AC machine	4
16.	Lux meter	1
17.	Tissue culture racks	13
18.	Magnetic stirrer	1
19.	Glass bid sterilizer	1
Plant Molecular Biology and Biotechnology		
1.	Electronic Balance	3
2.	Autoclave	1
3.	Microwave Oven	2
4.	Deep freezer	1
5.	Ultra Sonicator Bath	1
6.	Centrifuge machine	1
7.	Master cycler / PCR	1
8.	Shaking Incubator	3
9.	Lyophilizer	1
10.	UV Trans illuminator	1
11.	Gel Doc	1
12.	10 KVK online UPS	2
13.	Fluorescent Microscope	1
14.	UV visible spectrophotometer	1
15.	Bio-safety cabinet	1
16.	Gel Electrophoresis System	2
17.	Capillary Electrophoresis system	1
18.	HPTLC System	1
19.	HPLC System	1
20.	Hot Air Oven	1
21.	Growth Chamber	1
22.	Distillation Assembly	1
Horticulture		
1.	Hand Refractometer	5
2.	Oven	1
3.	Refrigerator	1
4.	Electronic Weighing Balance	3
5.	ph Meter	1
6.	Grinding and Mixing Machine	1
7.	Digital Refractometer	1
8.	Secateurs	26
9.	Saw	3
10.	Loppers	7
11.	Fruit penetrometer	1

12.	Juice extractor	2
13.	Crown corking machine	1
14.	Poly pouch sealer	1
15.	Grafting and Budding Knife	15
Agricultural Meteorology		
1.	Thermometer Max	3
2.	Thermometer Min	3
3.	Digital Anemometer	1
4.	Cup Anemometer	4
5.	Pan Evaporimeter	1
6.	Soil thermometers	
	5 cm	5
	10 cm	5
	20 cm	1
7.	Rain gauge	4
8.	Sunshine Recorder	1
9.	Stevenson's Screen	1
10.	Thermograph	1
11.	Hygrograph	1
12.	AWS (optional)	1
13.	Lysimeter (optional)	1
Animal Science		
14.	5000/6500 Feed and Forage Analyzer	01
15.	Hand and electric centrifuge	01
16.	Analytical balance	01
17.	Hot air oven	01
18.	Micro kjeldahl N digestion & distillation apparatus	01
19.	Soxhlet unit for fat estimation	01
20.	Hot plate, Fiber Tech.	01
21.	Gerber centrifuge unit (for milk fat testing)	01
22.	Crude fiber estimation unit	01
23.	Distilled water unit	01
24.	Muffle Furnace	01
25.	Electric debeaker	01
26.	Refrigerator	01
27.	Binocular Microscope	01

Farm Facility

N. M. College of Agriculture possesses approximately 80 hectares of land distributed among various departmental farms, nurseries, and greenhouse units. These facilities serve as valuable resources for conducting academic practicals, Experiential Learning Programme (ELP) activities, field demonstrations, and research investigations, thereby

providing students with extensive hands-on training and practical exposure to modern agricultural production and research practices.

Parameter	Details
Land available	80-hectare
Location	In the campus of NAU, Navsari
Usage	For courses like practical crop production in UG, Various field and departmental experiments, PG student projects, AGRESCO and other agency research work.
Supplementary access	College can utilize the farm facility available across various units of NAU, Navsari as and when required for large-scale trials

As per the ICAR norms, a minimum farm area of 20 hectares is required for an agricultural college located in the plains. The college possesses 80 hectares of agricultural land, which is four times the prescribed minimum requirement. Therefore, the college adequately fulfils the ICAR requirement with respect to farm facilities and provides sufficient land resources for teaching, practical training, research, and extension activities.

Supporting units at N. M. College of Agriculture

The supporting units available for B.Sc. (Hons) Agriculture students at NMCA likely include facilities such as:

- Food quality Testing laboratory, NMCA, NAU, Navsari:**
 The Food Quality Testing Laboratory of N. M. College of Agriculture, Navsari Agricultural University, Navsari is engaged in the analysis and evaluation of food and agricultural products to ensure their quality, safety, and compliance with prescribed standards. The laboratory provides testing services for various physico-chemical and quality parameters of food products, supports research and academic activities, and assists farmers, entrepreneurs, industries, and other stakeholders in quality assurance, value addition, and food safety management.
- Pesticide Residue Laboratory, NMCA, NAU, Navsari:**
 It provides analytical services for the detection and estimation of pesticide residues in food, agricultural produce, soil, and water samples. The laboratory supports research, education, food safety monitoring, and quality assurance while promoting safe agricultural practices and environmental sustainability
- Bio-fertilizer Production Unit, NMCA, NAU, Navsari:**
 The Bio-fertilizer Production Unit of N. M. College of Agriculture, Navsari Agricultural University, Navsari is engaged in the production, quality evaluation, and dissemination of beneficial microbial bio-fertilizers for sustainable agricultural production. The unit supports teaching, research, and extension activities by promoting eco-friendly nutrient management practices, reducing

dependence on chemical fertilizers, and enhancing soil fertility, crop productivity, and environmental sustainability. The facility also serves as a practical training center for students and provides quality bio-fertilizer inputs to farmers and other stakeholders.

- **Tissue culture laboratory, NMCA, NAU, Navsari:**

The Tissue Culture Laboratory of N. M. College of Agriculture, Navsari Agricultural University, Navsari is engaged in the micropropagation and in vitro production of disease-free, true-to-type planting materials of various horticultural and agricultural crops. The laboratory supports teaching, research, and extension activities by providing advanced facilities for plant tissue culture, biotechnology research, and skill development. The facility also serves as an important centre for practical training, where undergraduate students receive hands-on exposure through the Experiential Learning Programme (ELP), enabling them to acquire technical skills in media preparation, aseptic culture techniques, plant propagation, and laboratory management.

- **Sericulture unit, NMCA, Navsari:**

The Sericulture Unit of N. M. College of Agriculture, Navsari Agricultural University, Navsari serve as important facilities for teaching, research, and practical training in silkworm rearing technologies. These units provide students with hands-on exposure to scientific methods of silk production. The facilities support experiential learning, skill development, entrepreneurship promotion, and research activities while creating awareness about the potential of sericulture as profitable allied agricultural enterprises for enhancing farmers' income and livelihood opportunities.

- **Biocontrol laboratory:**

The Biocontrol Laboratory of N. M. College of Agriculture, Navsari Agricultural University, Navsari is engaged in the mass production, quality evaluation, and promotion of biological control agents for the eco-friendly management of insect pests and plant diseases. The laboratory supports teaching, research, and extension activities by developing and disseminating sustainable pest management technologies that reduce dependence on chemical pesticides. The facility also provides practical training and hands-on exposure to students in the production, identification, and application of biocontrol agents, thereby promoting integrated pest management (IPM) and environmentally sustainable agricultural practices.

- **Agro-meteorology unit:**

The Agro-meteorology Unit of N. M. College of Agriculture, Navsari Agricultural University, Navsari is engaged in the collection, monitoring, and analysis of weather parameters to support agricultural research, teaching, and extension activities. The unit provides valuable information on rainfall, temperature, humidity, wind speed, solar radiation, and other meteorological factors that influence crop growth and productivity. It assists in developing weather-based

agro-advisories, climate-resilient farming strategies, and crop management recommendations. The facility also offers practical exposure and training to students in weather observation, data analysis, and the application of agrometeorological information for sustainable agricultural planning and decision-making

Other infrastructural facility:

- N. M. College of Agriculture, NAU, Navsari, provides well-planned and adequately equipped hostel facilities for undergraduate (UG) students pursuing agricultural education on the campus. The hostels are designed to offer a safe, comfortable, and academically conducive living environment that supports the overall development and well-being of students during their period of study.
- The hostel infrastructure is complemented by essential amenities and support services, ensuring a pleasant residential experience for students from diverse regions. The facilities promote a disciplined and student-friendly atmosphere while encouraging academic excellence, personal growth, and social interaction among residents.

The following section presents the details of hostel accommodations and the common facilities available for undergraduate and postgraduate agriculture students residing on the Navsari Agricultural University campus.

1. Hostel Accommodation:

N. M. College of Agriculture provides separate hostel facilities for undergraduate and postgraduate boys and girls to ensure a safe, secure, and comfortable residential environment. The hostels are equipped with well-maintained rooms and essential amenities required for student living. The accommodation facilities are designed to support academic pursuits while promoting discipline, personal development, and a healthy campus life. The details are as given below:

Details of UG Hostels

Sr. No.	Name of the Hostel	Capacity
1	Navoday Boys Hostel	195
2	Navneet Boys Hostel	209
3	Maitri Girls' Hostel	144

Details of Amenities available in Hostels

Sr. No.	Particulars	Boys	Girls
1.	No. of hostels	02	01
2.	Students per room	2/3	3
3.	Mess Facility (Yes/No)	Yes	Yes
4.	Drinking water facility (Yes/No)	Yes	Yes
5.	Indoor Games (Yes/No)	Yes	Yes
6.	Cleaning of hostel premises (Yes/No)	Yes	Yes

7.	Emergency medical facility (Yes/No)	Yes	Yes
8.	Wi-Fi facility (Yes/No)	Yes	Yes

2. Drinking Water Facilities:

The college and all hostel premises are equipped with water purifiers and water coolers placed at key locations, ensuring students have access to safe drinking water at all times.

3. Gymnasium

The Navsari Agricultural University campus provides a modern and well-equipped gymnasium facility located within the cricket ground premises, offering convenient access to both male and female students. The gym serves as an important component of the university's commitment to promoting physical fitness, mental well-being, and a healthy lifestyle among students. The facility is furnished with a variety of fitness and exercise equipment designed to support strength training, cardiovascular fitness, endurance building, flexibility improvement, and overall physical conditioning. Students are encouraged to utilize the gym regularly as part of their daily routine to maintain good health, reduce stress, and enhance their physical performance.

4. Primary Health Centre (PHC):

Navsari Agricultural University provides Primary Health Centre (PHC) facilities on the campus to ensure timely medical care and healthcare support for students, faculty, and staff members. The PHC offers basic medical consultation, first-aid services, routine health check-ups, and treatment for common ailments. The centre plays an important role in promoting health awareness, preventive healthcare, and emergency medical assistance whenever required. The availability of on-campus healthcare facilities ensures the well-being of students and contributes to a safe, healthy, and supportive academic environment.

CONDUCT OF PRACTICAL AND HANDS-ON TRAINING

- A sound understanding of theoretical concepts forms the foundation of any professional degree programme; however, several essential competencies can only be acquired through practical exposure and hands-on experience.
- Therefore, it is imperative that the teaching-learning process incorporates adequate opportunities for experiential learning, enabling students to actively participate in practical activities and develop the technical skills, confidence, and professional competencies required in their respective disciplines. Such an approach enhances the students' ability to apply theoretical knowledge to real-world situations and strengthens their problem-solving and decision-making capabilities.
- N. M. College of Agriculture places significant emphasis on practical and experiential learning as an integral component of its academic programmes. Subject-wise practical classes are conducted regularly in accordance with the

curriculum and syllabus prescribed by the Indian Council of Agricultural Research (ICAR) and Navsari Agricultural University. Students are provided with extensive practical exposure through laboratory exercises, field demonstrations, farm operations, research activities, and skill-oriented training programmes. Hands-on training is imparted at departmental laboratories, instructional farms, research farms, nurseries, greenhouse units, and various research centres to ensure comprehensive learning and skill development.

- The college is equipped with well-established and fully functional laboratories in all major disciplines, adequately furnished with instruments, equipment, and teaching aids necessary for conducting undergraduate and postgraduate practical classes. Faculty members have also developed practical manuals, laboratory guides, and e-learning resources for various courses, enabling students to perform practical exercises systematically and effectively.
- In addition, students actively participate in field visits, Rural Agricultural Work Experience (RAWEx), Experiential Learning Programmes (ELP), Hands-on Training (HoT), Student READY activities, and interactions with researchers, extension personnel, agripreneurs, and farmers.

Practical Classes

- The college places strong emphasis on practical-oriented education to ensure that students acquire adequate technical knowledge and field-level competencies in agriculture and allied sciences. Various initiatives have been undertaken to strengthen practical learning and experiential education.
- Faculty members have developed a number of practical manuals, laboratory guides, and electronic learning resources as integral components of their respective courses under the degree programmes. These resources facilitate systematic practical instruction and self-learning among students.
- Regular interactions among researchers, teachers, and students are organized to provide practical exposure to ongoing research and technological developments. Students are exposed to departmental laboratories, university research stations, specialized research centres, and farmers' fields to enhance their understanding of applied agricultural sciences. In addition, an instructional farm has been established on the college campus to provide hands-on training and practical learning opportunities.
- Exposure visits are organized under the Rural Agricultural Work Experience (RAWEx) programme to acquaint students with various stakeholders in the agricultural sector. These visits include agro-based industries, Agricultural Produce Market Committees (APMCs), cooperative organizations, progressive farmers' fields, high-tech farms, agripreneurs, and non-governmental organizations operating within the region. Such activities provide students with valuable insights into agricultural production, marketing, value addition, and entrepreneurship.

Hands-on Training

- ✓ Hands-on training forms an integral part of the undergraduate curriculum and is designed to enhance practical competence, employability, and entrepreneurial abilities among students.
- ✓ The Student READY (Rural Entrepreneurship Awareness Development Yojana) programme is implemented comprehensively and effectively at the undergraduate level during the fourth year of study.
- ✓ The RAWE programme is conducted during the seventh semester to provide practical exposure to rural agricultural situations and farming systems. The importance of experiential learning is emphasized through student involvement in activities conducted at university research stations, State Agricultural Universities, ICAR institutes, agro-industries, farmers' fields, village-level development programmes, and extension activities organized by Krishi Vigyan Kendras (KVKs) of Navsari Agricultural University.
- ✓ Experiential Learning Programme (ELP) and Hands-on Training (HoT) modules have been incorporated into the curriculum during the eighth semester with a total duration of 20 weeks carrying 0+20 credit hours. These programmes provide intensive practical training in selected areas of agricultural and allied sciences.

List of ELP/HoT Courses offered in NMCA

Sr. No.	Course number	Departments	Title of ELPs/ HoTs	Credit
1.	ELP 8.6 (HoT)	Agronomy	Seed Production Technology	0+10
2.	ELP 8.10 (HoT)	Soil Science	Soil, Water and Manure Testing	0+10
3.	ELP 8.7 (HoT)	Entomology	Production Technology for Bio-agents	0+10
4.	ELP 8.1 (ELP)	Plant Pathology	Biofertilizer Production Unit	0+10
5.	ELP 8.8 (HoT)	Horticulture	Commercial Horticulture	0+10
6.	ELP 8.2 (HoT)	Plant Physiology	Plant Tissue Culture Technology	0+10
7.	NF-3 (Non gradial)	Various Departments	Natural Farming	0+20

Student READY – Experiential Learning and Skill Development

- The second component of the Student READY programme comprises the Experiential Learning Programme (ELP) and Hands-on Training (HoT). Eighth-semester students are allotted two ELP and four HoT modules based on merit,

from which each student completes two modules. The programme provides practical exposure that strengthens entrepreneurial skills and promotes agriprenurship in agriculture and allied sectors.

- Students gain field-level experience in Integrated Nutrient Management (INM), Integrated Pest Management (IPM), and Integrated Disease Management (IDM) through demonstrations and interaction with farmers, enabling them to understand real-world agricultural problems, farming practices, and technology adoption.
- Emphasis is placed on technical as well as soft-skill development, including communication, presentation, leadership, report writing, teamwork and professional ethics, along with practical skills such as grafting, seed treatment, spraying, dusting, nursery and farm management.
- Students prepare low-cost extension materials such as leaflets, folders, pamphlets, charts and posters for effective dissemination of agricultural technologies to farming communities.
- Exposure to on-campus agricultural projects and enterprises provides practical understanding of production, processing, value addition and marketing, enabling students to appreciate the complete agricultural value chain.
- Overall, the fourth-year curriculum is designed to develop skilled, competent, employable and entrepreneurial human resources capable of contributing effectively to agriculture, allied sectors, research, extension and related industries.

Year wise student trained in ELP/ HoT module and revenue generated

ELP/HoT Module	Year	No. of students trained	Revenue generated (Rs.)	Total Profit (Rs.)
Seed Production Technology (0 + 10)	2021-22	36	9340	3696
Soil, Water, Plant and Seed Testing (0+10)		36	9100	3640
Production Technology for Bio-agent and Commercial Sericulture (0+10)		37	1295	1295
Production Technology for Bio-fertilizers and Bio-pesticides (0+10)		37	295910	109710
Commercial Horticulture (0+10)		37	9175	9175
Plant Tissue Culture Technology (0+10)		37	16857	16857
Total		220	341677	144373
Seed Production Technology (0 + 10)	2022-23	44	22500	18740
Soil, Water, Plant and Seed Testing (0+10)		44	50140	20056

Production Technology for Bio-agent and Commercial Sericulture (0+10)		44	---	---
Production Technology for Bio-fertilizers and Bio-pesticides (0+10)		44	178180	80145
Commercial Horticulture (0+10)		45	33750	25725
Plant Tissue Culture Technology (0+10)		45	10530	4050
Total		266	295100	148716
Seed Production Technology (0 + 10)	2023-24	50	5200	3995
Soil, Water and Manure Testing (0 + 10)		50	237600	95040
Bio-fertilizer Production Unit (0 + 10)		50	176690	79470
Production Technology for Bio-agent (0+10)		50	----	----
Plant Tissue Culture Technology (0 + 10)		50	19500	7500
Commercial Horticulture (0 + 10)		50	29285	19450
Natural Farming (0 + 20)		150	---	---
Total		300	468275	205455
Seed Production Technology (0 + 10)	2024-25	48	13000	10950
Soil, Water and Manure Testing (0 + 10)		48	123640	49456
Bio-fertilizer Production Unit (0 + 10)		48	209800	94410
Production Technology for Bio-agent (0 + 10)		48	000	000
Plant Tissue Culture Technology (0 + 10)		48	31200	10403
Commercial Horticulture (0 + 10)		48	50365	48835
Natural Farming (0 + 20)		144	----	-----
Total		288	428005	214054
Seed Production Technology (0 + 10)	2025-26	41	31780	29680
Soil, Water and Manure Testing (0 + 10)		41	69970	27988
Bio-fertilizer Production Unit (0 + 10)		42	41420	18630

Production Technology for Bio-agent (0 + 10)		42	---	---
Plant Tissue Culture Technology (0 + 10)		42	10790	4150
Commercial Horticulture (0 + 10)		42	53870	48898
Natural Farming (0 + 20)		125	---	---
Total		250	207830	129346

Year wise total revenue and profit generated from 3 ELP units

Year	Revenue generated (Rs.)	Total Profit (Rs.)
2021-22	341677	144373
2022-23	295100	148716
2023-24	468275	205455
2024-25	428005	214054
2025-26	207830	129346
Total	17,40,887	8,41,944

Skill Enhancement Courses (As per 6th Deans' syllabus)

- ✓ The Choice-Based Skill Enhancement Programme has been introduced for students enrolled under the curriculum recommendations of the 6th Deans' Committee.
- ✓ The programme is designed to provide students with opportunities to acquire specialized technical and professional skills based on their interests, aptitude, and career aspirations. By offering flexibility in skill-oriented learning, the programme enables students to develop competencies beyond the conventional academic curriculum and promotes multidisciplinary learning in line with the objectives of the National Education Policy (NEP) 2020.
- ✓ The primary objective of this initiative is to enhance the employability, entrepreneurship potential, and professional preparedness of students by equipping them with practical knowledge and industry-relevant skills.
- ✓ Through various skill enhancement modules, students gain exposure to emerging technologies, modern agricultural practices, agribusiness management, communication skills, digital tools, data analysis, precision agriculture, value addition, and other contemporary areas of importance in the agricultural sector.
- ✓ The programme also emphasizes experiential learning, problem-solving abilities, innovation, leadership qualities, and teamwork, thereby fostering the holistic development of students. By integrating skill-based education with academic learning, the college aims to bridge the gap between classroom instruction and the requirements of the agricultural industry, research organizations, development agencies, and entrepreneurial ventures.

- ✓ Upon completion of their degree programme, students are expected to possess enhanced technical competence, greater confidence, and improved career readiness.
- ✓ The Choice-Based Skill Enhancement Programme thus serves as an important platform for developing skilled human resources capable of meeting the evolving challenges of agriculture and allied sectors while creating opportunities for self-employment, agriprenurship, higher education, and professional advancement.

The following skill enhancement courses are offered by NMCA for the B. Sc. (Hons.) Agriculture students

Skill Enhancement Courses (SECs)		
SEC – 1	Biofertilizer and biopesticide production	2(0+2)
SEC – 3	Seed Production and Testing Technology	2(0+2)
SEC – 4	Mushroom Production Technology	2(0+2)
SEC – 5	Soil, Plant and Water Testing	2(0+2)
SEC – 6	Post-harvest processing technology	2(0+2)
SEC – 7	Beneficial insect farming	2(0+2)
SEC – 11	Commercial Horticulture	2(0+2)