

PROSPECTUS



D Y PATIL
COLLEGE *of*
AGRICULTURAL ENGINEERING
& TECHNOLOGY
TALSANDE



**DR. D. Y. PATIL COLLEGE OF
AGRICULTURAL ENGINEERING AND TECHNOLOGY,
TALSANDE**

A/P : Talsande, Tal : Hatkanangale, Dist : Kolhapur

College Code : 15192



Dr. D. Y. Patil

Founder President, D. Y. Patil Education Society

Dr. D. Y. Patil Agriculture Campus, Talsande a consortium of Principal, Teachers, Students, Farmers, Parents & Experts, who work together in mission mode with set goals and objectives, with commitment for the furtherance of Agriculture research, Education and Development. The college is constantly achieving the set goals and setting the benchmark for academic excellence. Demand for agriculture is rising rapidly with increase in population and ultimately it leads to growing demand for industry sector. There is thus, an urgent need to identify severity of problems, confronting agricultural sector to restore its vitality. The problems however are surmountable, particularly when new tools of science and technology have started offering tremendous opportunities in agriculture. For the economic upliftment of rural people, we had undertaken several activities for the farming community to augment productivity of crops, economic prosperity of the society, rural employment, conservation of diversity, linking farmers with markets and nutrition and livelihood options have been on centre stage.

I feel immensely proud with progress of our Institution and express best wishes for further bloom. Lets strive to make our Agriculture college the most modern institution by catering to the needs at local level and vision for global level.



Dr. Sanjay D. Patil

President, D. Y. Patil Education Society

"We cannot always build the future for our youth, but we can build our youth for the future." These words by Franklin D. Roosevelt perfectly describe our aim at Dr. D. Y. Patil College of Agricultural Engineering & Technology, Talsande. Our aim is to teach students to LEARN, not just STUDY. Hence, we strive to travel beyond the boundaries of mere books. It is our fervent hope that the years that you spend in our both Colleges of Agriculture would enable you to equip with leadership and managerial skills. The knowledge that students will gain, the fine qualities that students will imbibe and the technical skills that you will learn to apply will be their major contribution to their parents, to society and to the nation. We invest our trust on you.

I wish to see the institution in the top agricultural research and educational colleges in India and wish best of luck for them.



Mr. Satej D. Patil

Vice President, D. Y. Patil Education Society

Our College is recognized as a leader in teaching and learning, student relationships and well-being. We create a safe social and physical environment that helps all our students learn and succeed. Parents and visitors compliment us on the warm and orderly atmosphere and our strong sense of community. We encourage all our students to develop high expectations about themselves, their work and their behavior, which is an expression of our values of Personal best, Integrity, Respect and responsibility.

In a world that rewards perseverance, resilience, initiative, problem-solving and cooperation, our students leave well prepared for tertiary education, vocational training or employment. I am proud of the significant accomplishments of our students and the results our college has achieved in being a better choice in education.



Mr. Raturaj S. Patil

Trustee, D. Y. Patil Education Society

At DYPCAET, Talsande, we take care of the physical and intellectual needs of the students with a well-qualified and dedicated team of faculty members. Our competent teams of staff members support our students to achieve emotional stability by exposing them to Personality Development & Career Advancement Programs. This in turn helps them to emerge as the individuals of higher calibre with very good value system. Thus our students are chiselled out with unique dimensions of consciousness, compassion and creativity which make them creators of technological societies.



Dr. A. K. Gupta

Executive Director, D. Y. Patil Group of Institutions, Kolhapur

I believe that the existence of every educational institute will continue only if that Institute makes the Student & Parent feel happy. The student & Parent will be happy only if they get their expectations fulfilled for which the student has taken an admission in the institute. This can be achieved only if every entity in an Institute works with their authorities executed 100% with the focus on quality. Therefore I request everyone to come together in achieving the target of HAPPY STUDENT, HAPPY PARENT, and most preferred Institute.



Dr. S. B. Patil

Principal, Dr. D. Y. Patil College of Agril. Engineering & Technology, Talsande

Dr. D. Y. Patil College of Agricultural Engineering & Technology, Talsande are established by visionary son of farmer Hon. Dr. D. Y. Patil (Ex. Governor, Tripura and Bihar State) with a view to provide advanced Agricultural Education to sons and daughters of farmers in rural area. Hon. Dr. Sanjay D. Patil, President, Shri. Satej D. Patil, Vice-President and Shri. Raturaj S. Patil, Trustee, D. Y. Patil Group, Kolhapur have been carrying the tradition with similar vision, zeal and magnitude. On account of their valuable guidance and constant encouragement the colleges are marching and progressing towards excellence in agricultural education. The colleges produces graduates vevdy for industry and farming business and is striving to develop into most modern centers of Agriculture education.

MISSION

Our mission is empowerment through knowledge to educate the students to transform them as professionally competent and quality conscious agricultural engineers by providing a conducive environment for teaching, learning, and overall personality development, culminating the institute into an international excellence.

VISION

- To impart quality education in Agricultural Engineering leading to under graduate level.
- To undertake research program and to bring out good research findings for the farmers.
- To implement extension activities effective for the benefit of farming community.

QUALITY POLICY

The college is committed to overall growth of students through well planned, graded and tested systems of instructions in disciplined manner with an aim to provide qualified, capable and devoted Agricultural Engineering Graduates to the nation.

HIGHLIGHTS



Business Excellence Award - 2019 Bestowed by Sakal Agrwon for Excellence in Agricultural Education



It is the pioneering, renowned and advanced Agricultural Institution in Maharashtra



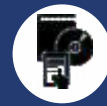
Well qualified and experienced faculties



210 acres of land with lush green facilities



Excellent infrastructure facilities



Fully fledged modernized library



100 Mbps Internet Speed



24 hours full power back up



Encouragement for Co-Curricular, Extra Curricular activities



International Exposure



Industry Academia Interface



Educational tours, Visits and Workshops



Good academic record and success in competitive examinations.



Annual Poster Presentation Competition



Student Counseling Cell for overall personality development



Scholarship Facility (SC/ST/OBC/NT/SBC/SEBC/EWS)



Well equipped Gymnasium & well maintained sports grounds



Well furnished accommodation for boys and girls



Good quality mess and canteen



In campus Medical facilities for students



In Campus ATM facility

Academic Cell B. Tech. (Agril. Engg.)



Dr. S. B. Patil
Principal



Er. P. D. Ukey



Er. A. B. Gatade



Dr. R. V. Powar



Dr. J. S. Ghatge



Er. K.R. Pawar



Er. A. P. Dubal



Dr. S. A. Mehetre



Er. D. A. Patil



Er. Y. V. Chimate



Er. S. R. Mundale



Er. P. R. Sabale



Er. S. D. Bhosale



Er. S. B. Mali



Ms. J. A. Sutar



Mrs. P. S. Patil



Mr. S. M. Patil

Administrative Cell



Mr. P. M. Bhagaje
Registrar



Mr. R. P. Shinde
Senior Office Superintendent



Mr. D. M. Patil
Accountant



Mr. U. S. Mane
Clerk-Academic & Exam



Mr. R. B. Bacche-Patil
Clerk-Scholarship



Mr. R. R. Khot
Clerk-Store



Mr. A. K. Nayakawadi
Clerk- Accounts



Mrs. D. P. Thane
Clerk-Students Section



Mr. S. S. Yerudkar
Librarian



Mr. A. K. Todkar
Library Asstt.

Eligibility

Sr. No.	Degree Course	Duration	Qualifying Examination
1	B. Tech. (Agricultural Engineering)	4 Years (8 Semester)	<ol style="list-style-type: none">XII Std. (Science) passed in 10+2 pattern from Maharashtra State Board of Higher Secondary Education or an equivalent Examination, with PCM or PCMB and English.Those who have not offered Biology shall have to complete deficiency courses as prescribed by respective University.Common Entrance Examination i.e. MHT-CET/JEE/AIEEA-UG organized by competent authority in PCM subject.

Achievements

Dr. D. Y. Patil college in several instances has been rewarded by preeminent organizations. Amongst the memorable achievements, college has been honoured with the "Business Excellence Award-2019" bestowed by Sakal Agrowon for excellence in Agricultural Education.



About Dr. D. Y. Patil CAET, Talsande

Dr. D. Y. Patil College of Agricultural Engineering & Technology is established in the year 2003 at Talsande in Kolhapur district of Maharashtra, it is affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri, Dist. Ahmednagar (MS). It works as a nodal institute providing education in the area of Agricultural Engineering. The institute is on a mission to empower students through knowledge and transform them as professionally competent and quality conscious agricultural engineers. It strives to provide a conducive environment for teaching, learning, and overall personality development, culminating the institute into an international excellence.

Since the inception, it has developed ultra-modern buildings & excellent infrastructure, with well-equipped laboratories and field demonstrations. It is committed to the overall growth of students through well planned, graded and tested systems of instructions. The college organizes various extracurricular activities throughout the year for the betterment of the students like educational & cultural programs, sports tournament, national and international programs training etc. students mentoring, entrance exam guidance cell, alumni interaction, committed training cell, competence based activities has made the education system strong and outperform the competition.

Farm Machinery & Power Engineering

Department of Farm Machinery & Power Engineering is a leading department of DYPCAET, Talsande delivering quality education to students as well as involved in quality research by keeping pace with the needs of agricultural education, tractor and other agricultural machinery as well as farm mechanization. Department is enriched with Farm Power Lab, Farm Machinery Lab, Workshop, Implement shed & Drawing Hall. Department has come up with recommendations of 03 implements developed through students research projects.



Processing & Food Engineering

Department is mainly engaged in teaching, research and technology development for the well being of the mankind. The departmental faculty is well qualified and rich in experience. The department has developed solar dryers, Mobile turmeric cooker, garlic peeler, sorters, storage structure as per need of unit operation in agro processing and offer research project to meet the requirements of rural community as well as market needs. The department has well equipped laboratories for process engineering, food engineering and agricultural structures & environmental control.

Soil & Water Conservation Engineering

Department is involved in the teaching, research and extension activities related to soil and water conservation. Students are given exposures about different techniques for rain water harvesting, soil conservation, water conservation, degraded land reclamation. Hydrology, Surveying & Levelling, remote sensing and GIS, waste water management, watershed management etc. The department offers wide range of research projects to the final year students based on local and future needs of the farmers and field engineers.



Irrigation & Drainage Engineering

The Department offers courses like Fluid mechanics, Irrigation Engg, Drainage Engg. Design of lift irrigation, Ground water hydrology and modeling, Pumps and water lifting devices and Micro irrigation. Teaching is further supplemented by well equipped laboratories of the dept like fluid mechanics lab, hydraulics control lab, groundwater lab ,water and pumps development lab, field demonstration lab, sprinkler and drip irrigation set up and irrigation park. Along with teaching the department also caters to research and extension of many useful technologies for farmers to save water and increase efficiency of irrigation.

Renewable Energy Engineering

The department is offering major courses of renewable and electrical energy sources. REE provides the knowledge of solar, wind, biogas, biomass and many other forms of energy sources, potential, limitation and applications of the forms and sources in agriculture is included. The department has all the instruments required for research work and practicals. The electrical sources provide knowledge of electrical circuits, electrical machines, instruments and applications of electrical energy in agriculture.



Basic Engineering & Applied Science

The department is designed to offer major valuable courses in field of basic science and computer technology. The course is an output based well-structured design which helps students to achieve their goal. The department is committed to offer a set of open parameters and program so that students can plan their academic program in advance. We prepare the students with professional skill in terms of advance computer programming sets like C- Language programming, Data Structure. They also learn about data centers through database management system to collect and organize data. Under department curriculum students develop their own websites using hypertext and scripting

Training & Placement

The training and placement cell is established with an aim to develop the employability, skill of presentation, communication, enrich the students with current affairs, status of industries and encourage the students for the various competitive examinations. Training and placement cell approaches the various agriculture related Manufacturing, Processing, Marketing, Research and Finance companies/Industries for recruitment of students.

Inplant Training

To enrich the practical knowledge of the students, B.Tech. (Agril. Engg.) offers 20 Weeks Inplant Training course to the final year students and 4 weeks inplant training to both second year and third year students. This training provides an industrial exposure to the students. It enhance, reinforce and enrich the practical knowledge of students.

Following are the main Organizations/Institutions where the students are sent for training.

Sr. No.	Name of Organization
1	Central Institute of Post- Harvest Engineering and Technology, Ludhiana,Punjab.
2	National Institute of Solar Energy, Gurugram -Faridabad Highway, Haryana.
3	Surat District Co-Operative Milk Producers' Union Ltd. Sumul Dairy, Gujarat.
4	Central Farm Machinery Training & Testing Institute(CFMT&TI), Budni, Madhya Pradesh.
5	Southern Region Farm Machinery Training & Testing Institute, Garladinne, Andra Pradesh.
6	North Eastern Region Farm Machinery Training & Testing Institute, Assam .
7	Northern Region Farm Machinery Training & Testing Institute, Hisar, Haryana.
8	HMT Limited, Pinjore, Punjab.
9	Dhan Foundation, Chikkadapally, Hyderabad, Andra Pradesh.

10	Bhaskaracharya Intitute for Space Applications and Geo-informatics (BISAG) Ahmedabad, Gujarat.
11	Central Soil and Water Conservation Research and Training Institute, Research Centre, Uttarakhand.
12	Central Soil & Water Conservation Research & Training Institute, Dehradun, Punjab.
13	Gujarat Cooperative Milk Marketing Federation, Anand, Gujarat.
14	Captain Tractors, Kotda Sangani, Gujarat.
15	Haldirams Food International Pvt Ltd, Nagpur, Maharashtra.
16	Ajit Bakery & Junxion Restaurant , Wardha Road, Nagpur, Maharashtra.
17	Agricultural Research and Development Foundation, Malad (W), Mumbai, Maharashtra.
18	Green Power Machines Pvt. Ltd., Pokharan , Thane(W), Maharashtra.
19	Advance Training Institute, Mumbai, Maharashtra.
20	Jain Irrigation Systems Ltd., Jain Gurukul, Jain Hills Shirsoli Road Jalgaon, Maharashtra.
21	Pragati Irrigation Pvt. Ltd. Pimpalgaon (b), Nashik, Maharashtra.
22	EPC Industrie' Limited. Ambad , Nashik, Maharashtra.
23	Desh Bandhu and Manju Gupta Foundation, Gtp Bapuji Chauk, Deopur, Dhule, Maharashtra.
24	Paani Foundation, Mumbai, Maharashtra.
25	Rohit Krishi Industries Pvt. Ltd. Chinchwad, Pune, Maharashtra
26	AFARM, Market Yard, Pune, Maharashtra.
27	Escorts Limited, RBM-Pune, Maharashtra.
28	SDF, SAME, Hadapsar, Pune, Maharashtra.
29	Tractors and Farm Equipment Limited, Pune, Maharashtra.
30	WS Foods Pvt. Ltd, Hadapsar, Pune, Maharashtra.
31	MSSCL, Mahabeej Bhavan, Krishi Nagar, Akola, Maharashtra.
32	Sahyadri Farmers Producer Company Ltd., Mohadi ,Tal:- Dindori, Dist:-Nashik, Maharashtra.
33	Sindhudurg Jilha Audyogik Utpadak Sahakari Sanstha, Sindhudurg, Maharashtra.
34	Mapro Food Park, 122 Shendurjane, Wai, Dist: Satara, Maharashtra.
35	TAFE Ltd, Ahmednagar, Maharashtra.
36	Ashok Leyland , MIDC Indu Area V, Bhandara, Maharashtra.
37	Netafim Irrigation Pvt. Ltd. ,Pune, Maharashtra.
38	India Meteorological Department , Dr.Homi Bhabha Road, Pashan, Pune, Maharashtra.
39	Water and Land Management Institute, Kanchanwadi, Aurangabad, Maharashtra.
40	Urja Bio Systems Pvt ltd, Shivaji Nagar, Pune, Maharashtra.
41	Netafim Irrigation India Pvt. Ltd., Paud Road, Pune, Maharashtra.
42	Future Tech Foods India Pvt Ltd, Erandwana, Pune, Maharashtra.
43	Agni Solar Systems Pvt. Ltd. Koregoan Park, Pune, Maharashtra.

The International Training Cell

The international training cell is also performing in sending students for training globally. Six students have been completed training with scholarship by the Council of Higher Education, Government of Israel for the summer program in Agriculture at the International School of Agricultural Sciences, The Robert H. Smith Faculty of Agriculture, Food & Environment, The Hebrew University of Jerusalem, Rehovot, Israel. Similarly two faculty members have been completed R & D course on "Agricultural Engineering Technologies" at Volcani Center of Agricultural Research Organization located at Bet Dagan, Tel-Aviv (ISRAEL)

Major Recruiters



Library

The institute enriched with books, Indian and International journals, technical and non technical periodicals subscribed per month. The institution have separate digital, reference and departmental libraries and study hall with 150 seats open for 24 hours. A separate section is established with large collection of handbooks, encyclopedias to help students in their projects and research work. Digital library, Internet and xerox facilities are also available in library.



Sports



The college environment strives to provide students with an opportunity to develop all of their talents in an effort to produce well rounded graduates that can succeed in every walk of life. We have well maintained playgrounds for Volleyball, Basketball, Football, Kho-kho, kabbadi, Cricket etc. Our students won successively and consecutively medals and titles in different group and individual games at state and national level.

Hostels

The institute has multi storied hostel buildings in the campus, that accommodates 400 boys and there is separate girls hostel where 150 can stay comfortably . Guest house facility is also available for the visiting parents. The hostel having all the necessary facilities such as water purification plant, water coolers, water heating plant, Wi-Fi with 4G ,news reading room etc. The routine essentials like canteen, Mess, Gymkhana , Laundry , Xerox center and Public Telephone booths are also available inside the campus. Lady security guards take care of security and discipline of girls.



NSS

National Service Scheme is an Indian government sponsored public service programme conducted by the department of Youth Affairs sports of Government of India. Every year 50 students from the Dr. D. Y. Patil College of Agricultural Engineering and Technology enrolls for the NSS activities and 7 days special camp. After completion of 240 hours students receives the certificate. NSS provides students with an opportunity to apply their education in finding practical solution to the problem faced by the individual and the community at large.

DYP Alumni

Alumni stand strong to prove the success of the college and its efforts. To connect all DYP alumni, to strengthen our network and to keep students updated we invite our alumni for various technical seminars, guest lecturers, workshops to share their experiences the faced outside the college. Alumni motivate and guides students for their academic improvement also extend their helping hands from all aspects for the budding graduates of the college. The distinguished alumni are given below.



Er. Shivprasad Nakate
Collector (IAS),
Ganganagar District, Rajasthan



Er. Sandeep Desai
IAS
Govt. of India



Shakil Sande
IRS
Govt. of India



Er. Vivek Kale
Comptroller & Auditor GOI,
Vadodra, Gujarat.



Er. Vishal Khambe
DSP,
Govt. of Maharashtra.



Er. Shashikant Pawar
Agril. Engg. NERFMTI,
Assam.



Er. Yogesh Roundal
Ministry of Agriculture
Govt. of India



Er. Bakula Mali
Deputy District Registrar,
Ratanagiri, Govt. of Maharashtra.



Abhay Sabale
FSI, Govt. of Maharashtra.



Datta Londhe
Range Forest Officer
Govt. of Maharashtra.



Er. Amol Deshmukh
Deputy Manager, British Red Cross
Trading Ltd., UK.



Er. Sachin Durge
Sales Application Engineer
SPX Flow Food & Beverage, UAE



Er. Gajanan Talwar
Packaging Manager,
Nestle, Germany.



Er. Aniket Gavai
Business Analyst,
Nomous Global Pvt. Ltd.,
UK



Er. Nikhil Kurundvade
Asst. Store Manager,
Gentel Incorporation,
Canada



Er. Rajshri Narute
Visual Merchanser,
Banana Republic,
Vancouver, Canada



Er. Ganesh Bongane
Asstt. Manager,
Baramati Agro, Pune



Er. Abhaysingh Deshmukh
Research Scientist,
Reliance Industries Ltd., Gujarat.



Er. Digvijay Patil
Deputy Manager,
Volvo Eicher Commercial
Vehicles Ltd., Mumbai.



Dr. Chetan Sawant
Scientist, ICAR, New Delhi.



Er. Swapnaja Jadhav
Scientist, ICAR, New Delhi.



Dr. Dilip Pawar
Scientist, ICAR, New Delhi.



Er. Rahul Yadhav
Scientist, ICAR, New Delhi.



Er. Yogesh Kalnar
Scientist, ICAR, New Delhi.



Er. Ravindra Randhe
Scientist, ICAR, New Delhi.



Dr. Dattatray Anarase
Scientist, ICAR, New Delhi.



Er. Shankar Olekar
API,
Govt. of Maharashtra.



Er. Poonam Mane
API,
Govt. of Maharashtra.



Vikas More
PSI
Govt. of Maharashtra.



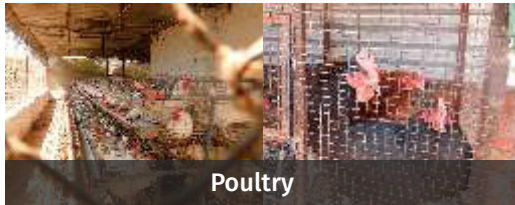
Ashish Pawar
PSI
Govt. of Maharashtra.



Pankaj Patil
PSI
Govt. of Maharashtra.

Farm for Practical Knowledge

The college has well maintained, well developed and mechanized agricultural farm comprised of orchards like, Coconut, Mango, Sapota, Guava, Pomegranate, Dragon fruit and cash crops like sugarcane and Banana along with variety of vegetables. The entire farm is well maintained beautified with gardens and road side plantation. The farm has a very good demonstration of utilization of fellow land, Intercropping system, Fertilizer management and use of plastic mulching paper. The units like Bee keeping unit, Nursery , Dairy, Agril. Processing, Automated Drip irrigation and the use of modern machines like grass cutter, power operated tree pruner, shredder cum pulverize machine, multi crop planter , Mini tractors, modern spraying machines made the various operations mechanized.



Poultry



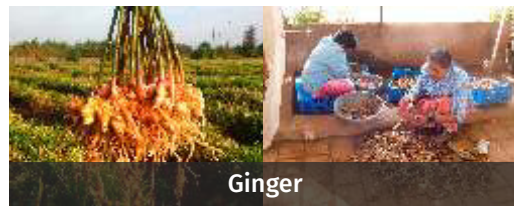
Dragon Fruit



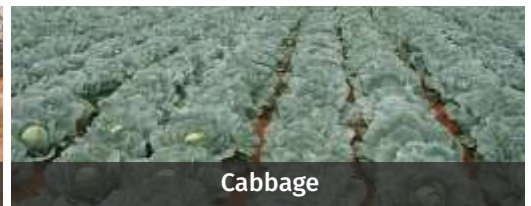
Sales Counter



Dairy



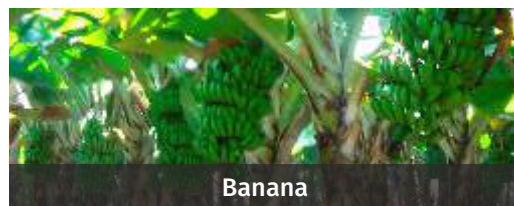
Ginger



Cabbage



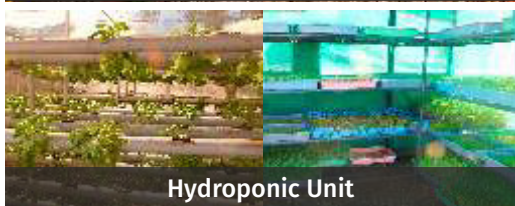
In Situ biomass Shredding



Banana



Wheat seed Production



Hydroponic Unit



Use of Mulching Paper



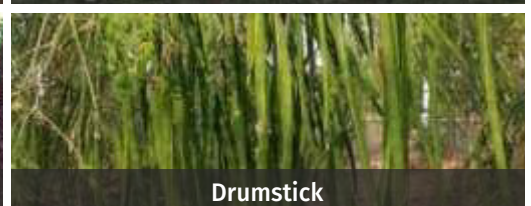
Floriculture



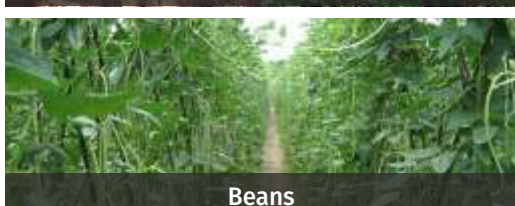
Intercropping



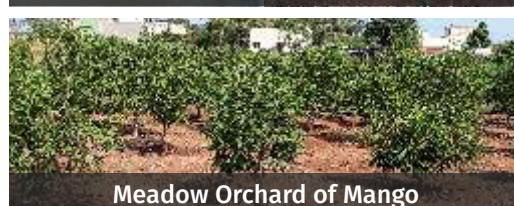
Automation Irrigation



Drumstick



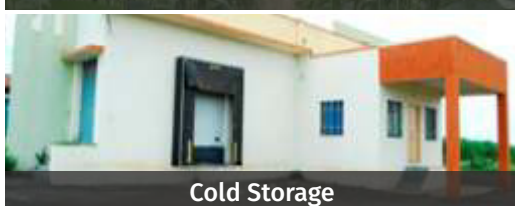
Beans



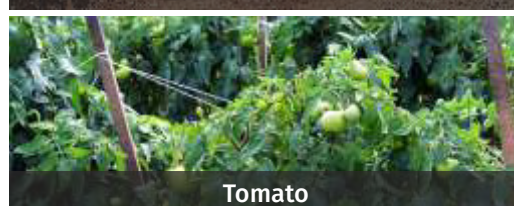
Meadow Orchard of Mango



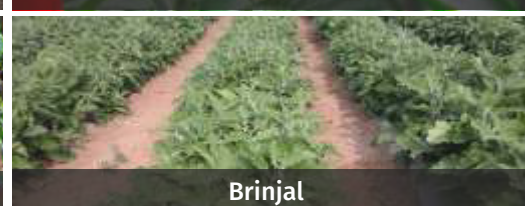
Red Capsicum in Polyhouse



Cold Storage



Tomato



Brinjal

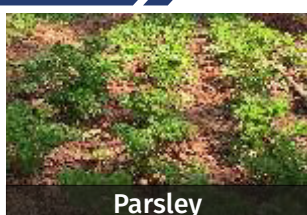
Exotic Vegetable Production



Zucchini



Lettuce



Parsley



Broccoli



Chinese Cabbage

University Gold Medalist



Israel Program

Students of this institute have been selected and received scholarship by the Council of Higher Education, Government of Israel for the Summer Program in Agriculture at the International School of Agricultural Sciences, The Robert H. Smith Faculty of Agriculture, Food & Environment, The Hebrew University of Jerusalem, Rehovot, Israel.

Summer Program 2017 in Agriculture



Ms. Desai Shivani S.



Mr. Asabe Mahesh P.

Summer Program 2018 in Agriculture



Mr. Bhosale Pritam D.

Summer Program 2019 in Agriculture



Ms. Walunj Shweta



Mr. Niranjana Patil



Ms. Nale Swamini



D. Y. Patil group organized and sponsored International Agricultural Exposure Tour at Israel to strengthen the faculty and create the world class agricultural infrastructure. Faculty members along with management and progressive farmers have been completed International Agricultural exposure tour and attended International Agriculture Exhibition (Agro Mashov 2019) at Tel Aviv, Israel

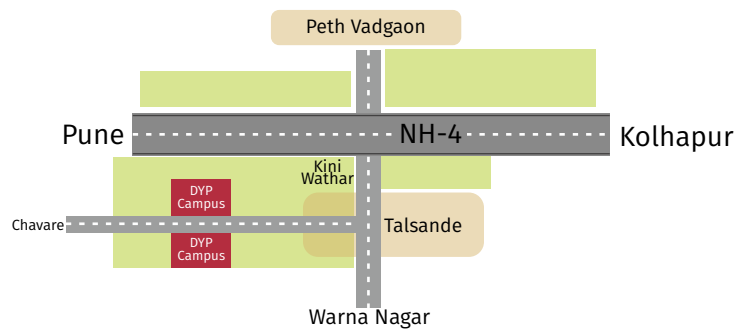
Selection for International R & D Course at Israel



Dr. S. B. Patil, Principal & Dr. S. A. Mehetre, Assistant Professor, Dr. D. Y. Patil College of Agricultural Engineering & Technology, Talsande were selected and completed for R & D course on "Agricultural Engineering Technologies" at Volcani Center of Agricultural Research Organization located at Bet Dagan, Tel-Aviv (ISRAEL) from 14th October to 2nd November, 2018. Dr. S. B. Patil & Dr. S. A. Mehetre received full Scholarship from Govt. of Israel for this course.



Dr. D. Y. Patil College of Agricultural Engineering & Technology is located at Talsande, 27 km from the Kolhapur city.



Dr. D. Y. Patil College of Agricultural Engineering and Technology, Talsande

College Code : 15192
College Grade : "B" (2015-16)

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Dr. D.Y. Patil CAET Talsande

