

1. INTRODUCTION:

The College of Dairy Technology at Warud (Pusad), Dist. Yavatmal under the jurisdiction of Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola, with an initial intake capacity of 32 students was established with the sanction of Govt. of Maharashtra in 1992. In December, 2000, Maharashtra Animal and Fishery Sciences University was established at Nagpur and the college was transferred from Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola to MAFSU, Nagpur as a constituent college under the Faculty of Dairy Technology.

The faculty of Dairy Technology has five major departments:

1. Department of Dairy Technology
2. Department of Dairy Engineering
3. Department of Dairy Microbiology
4. Department of Dairy Chemistry
5. Department of Dairy Business Management

Presently, the college is providing education in the field of Dairying by offering 4 year degree course B. Tech (DT) and 2 year M. Tech. in disciplines of Dairy Technology, Dairy Engineering, Dairy Chemistry and Dairy Microbiology. College has well developed classroom with teaching aids using ICT technologies. Since last 10 years, 10 students on an average per year are qualifying JRF offered by ICAR through entrance AIEEA (PG). Every year, college students are participating in AVISKAR, INDRADANUSHYA, REVARI and ASHWAMEDH, an inter-university research, cultural and sports events organized at state and National level. The deserving students of the college are awarded with the various scholarships and free ships instituted by the Government of India.

Till date, the college has completed research projects worth Rs. 225 lakhs from various funding agencies like DBT, DST and RGSTC etc. The college is having a dedicated instrumentation laboratory with state of the art equipment facilities like HPLC, TPA analyzer, AAS, Rheomat, DVS etc. The college has organized 40 extension training programs ranging from 3 to 30 days duration. Faculties from the institute are regularly

engaged in various extension activities viz. workshops, on farm demonstrations, radio talks etc.

As per Vth Dean Syllabus, READY I, Ready II, Inplant training and Hands on training are conducted to develop production and practical skills among the students. Students Training Dairy Plant (STDP) is manufacturing traditional Indian dairy products and marketing it through sales counter established at main entrance gate of college. To strengthen the STDP, training facilities and to establish quality assurance laboratory, a detailed project proposal of Rs. 6.12 crore has been submitted to Govt. of India under NPDD. To install solar steam generation plant for khoa processing, MoU is signed with M/s Green Life Solutions Private Limited, Nagpur.

Details of The Faculty Members

NAME OF DEPARTMENT					
Sr. No	Name	Designation	Phone (Ext)	Mobile No.	E-Mail
1	Dr. P. G. Wasnik	Associate Dean	200	9422866519 9900514036	addtcwarud@gmail.com
DEPARTMENT OF DAIRY TECHNOLOGY					
1	Shri. B. D. Meshram	Assistant Professor and Head	210	9423133120	bdmeshram@reddiffmail.com
2	Ms. S. S. Deosarkar	Assistant Professor	209	9423435691	sheetal.deosarkar@gmail.com
3	Dr. P.D. Sawale	Assistant Professor	216	8669549188	pravins92@gmail.com
DEPARTMENT OF DAIRY ENGINEERING					
1	Dr. P. G. Wasnik	Associate Professor & Head	300	9422866519	pgwasnik@gmail.com
2	Mohd. Waseem	Professor	301	9423133113	waseem.96@gmail.com
3	Shri. A. V. Dhotre	Assistant Professor	On study leave	9822087886	anantdhotre@yahoo.com
4	Shri. N. M. Khodwe	Assistant Professor	303	9422864745	nitinkhodwe@rediffmail.com
DEPARTMENT OF DAIRY CHEMISTRY					
1	Dr. M. R. Patil	Associate Professor	Service pooled to Udgir	9420547716	patilmadhav45@gmail.com

2	Dr. D. N. Bajad	Professor	406	9422868714	dnbajad@gmail.com
3	Shri. H. M. Gawande	Assistant Professor	On study leave	9404372152	gawande.hm@gmail.com
4	Dr. S. J. Shende	Assistant Professor	402	9890580050	shehashende26@gmail.com
5	Dr. C.J.Gupta	Assistant Professor	401	9034400269	chintragupta97@gmail.com
DEPARTMENT OF DAIRY MICROBIOLOGY					
1	Dr. A. R. Sarode	Associate Professor & Head	Ext 400	9423638733	sarodear@gmail.com
2	Dr. C. D. Khedkar	Associate Professor	400	9422165527	khedkarc@gmail.com
3	Dr. V. K. Lule	Assistant Professor	404	9657756324	vaibhao_only@rediffmail.com
4	Dr. P.S. Patil	Assistant Professor	404	9034402190	patilprasad11@gmail.com
DEPARTMENT OF DAIRY BUSINESS MANAGEMENT					
1	Shri. G. N. Narnaware	Assistant Professor & Head	407	9822761798	gnnarnaware@gmail.com
2	Shri. R. S. Walse	Assistant Prof. & Head	On study leave	942217767	rajeshwalse@gmail.com
3	Shri R. R. Kanoje	Lab Asstt & Nodal Officer		9422165820	ravikanoje@gmail.com
LIBRARY					
1	Ms. K. D. Mahajan	Librarian	207	9764573883	mahajankartika@rediffmail.com
2	Shri. R. N. Deshmukh	Dy. Librarian	206	9420041414	ravindesh@rediffmail.com
STUDENT TRAINING DAIRY PLANT					
1	Shri. A. B. Wakade	Dairy Manager	217	9765627975	abwakade@yahoo.co.in
2	Shri. N. W. Shinde	Asst. Manager (QA)	On study leave	9373501976	nwshinde@rediffmail.com
3	Shri. S. S. Shinde	Plant assistant	217	9422153862	dtcshindess@gmail.com

Classrooms and Laboratories: The following number of class rooms and functional laboratories are available at the college for degree programme which justify that it is sufficient to meet the course curricula requirement.

Sr. No.	Particulars	Nos.	Specialty to conduct Teaching/Practical	Justification
I.	Classroom	04	Smart classrooms	Classrooms are built in compliance with recommendations of V Deans Committee
II.	Laboratories			
01.	Dairy Technology	05	<ul style="list-style-type: none"> • Packaging of Dairy Products lab • Condensed and Dried Dairy Products lab • Sensory Evaluation lab • Western Dairy Products lab • Traditional Indian Dairy Products lab 	Sufficient to meet course curricula requirement for UG and PG
02	Dairy Engineering	08	<ul style="list-style-type: none"> • Electrical Engineering Laboratory • Instrumentation Laboratory • Engineering Drawing Hall • Fluid Mechanics Laboratory • Heat Transfer and Thermodynamics Laboratory • Dairy Food Engg. & Mechanics Laboratory • Refrigeration & Air-conditioning Laboratory • List of Workshops: Machine Shop Carpentry Workshop 	Sufficient to meet course curricula requirement of UG and PG
03	Dairy Chemistry	03	<ul style="list-style-type: none"> • Quality Assurance Laboratory • Dairy Products chemistry Laboratory • Food and Biochemistry Laboratory 	Sufficient to meet course curricula requirement of UG and PG
04	Dairy Microbiology	03	<ul style="list-style-type: none"> • Introduction to Dairy Microbiology • Starter Culture and Fermented Milk • Dairy Biotechnology 	Sufficient to meet course curricula requirement of UG and PG

			and Quality Control (PG Lab)	
05	Dairy Business Management	03	<ul style="list-style-type: none"> • Audio-video Laboratory, • Language Laboratory • Computer laboratory 	Sufficient to meet course curricula requirement of UG and PG
06	Pilot Dairy unit cum business process development center/ Instructional Unit / Workshop/ Student training dairy plant	01	<ul style="list-style-type: none"> • Hands on training and experiential learning. 300 LPH milk processing unit and traditional dairy product manufacturing unit is available for imparting Hands on Training to students. 	Meet the requirements of course curricula requirement of UG and PG

Following major equipment's, laboratories, farm facilities, workshops and other instructional units being utilized for the award of the Degree Programme.

Sr. No.	Department	List of Equipment/Facilities	Remarks
01	Dairy Technology	Centrifuge, Digital potentiometer, Digital dissolved oxygen meter, Horizontal Electrophoresis, Food processor, pH meter, Water bath, Brix meter, Juicer mixer grinder, Butter churner, Ice cream making machine, Refractometer, Planetary mixer, Drop Tester, Brusting Test Apparatus, Tear Resistance Tester, Tray Drier, Semi-automatic Autoclave, Laminar airflow, Multiproduct unit, Vaccum packaging machine, VIS-spectrophotometer, BOD, LCD projector	Sufficient to meet course curricula requirement for UG and PG
02	Dairy Engineering	Water Activity Analyzer; Rotational Viscometer; Food Texture Analyzer; Lab Scale Fermenter; Digital Humidity Control Cabinet; Lab Scale Sterilizer; Digital BOD Incubator; Mini Tray Dryer; Freezer; Lab Scale Lyophilizer; Mini Powder Plant; Projector; White Boards;	Sufficient to meet course curricula requirement for UG and PG

03	Dairy Chemistry	Electronic balance, Table top centrifuge, Vacuum Oven, Low Temp. BOD Incubator, Double glass distillation assembly, Hot Air Oven, Spectrophotometer, Centrifuge, desiccators cabinet, TLC kit, Automatic Pipette Washer, Emulsifier, Glassware Dryer, Pipette Dryer ,pH meter, Muffle Furnace, Denouy Tensiometer, Refrigerator, Fume Hood, Multi parameter analyzer, Microwave oven, Gerber Centrifuge, Flame Photometer, Magnetic Stirrer, High precision balance, Lovibond Comparator, BOD Incubator, Deep Freezer, Rotary Evaporator, Projector	Sufficient to meet course curricula requirement for UG and PG
04	Dairy Microbiology	BOD Incubator; Incubator; Autoclave (Vertical); Shaking Incubator; Colony Counter; Refrigerator; pH meter, Weighing Balance; Laminar Air Flow Cabinet; Microscope; Water Distillation Unit; Water Bath; Centrifuge; Pipette dryer; Hot air oven; Lyophilizer; High speed centrifuge; Electrophoresis Unit	Sufficient to meet course curricula requirement for UG and PG
05	Dairy Business Management	LCD projector, Audio System, Portable mic, Rolling display boards, Roll up Banners, Eco Solvent Boards, Model of Three tier structure. of Dairy Cooperative, Model of Ideal Dairy Unit, Wi-Fi transmitters, Server, 12 PC, Interactive board	Sufficient to meet course curricula requirement for UG and PG
06	Pilot Dairy unit cum business process development center/ Instructional Unit / Workshop/ Student training dairy plant	Pasteurization Unit with Thermization facility, Homogenizer, Milk storage tank, Motorized can scrubber, Bulk milk cooler with platform type weighing scale, Can tipping bar, Milk pouch filling Machine, Bottle sterilizer, Can transfer Trolley, Crate washing tough, Cream Separator, Multipurpose Vat, Crown crimping M/c, Steam boiler, Steam water mixing battery, Complete insulated steam line from boiler to PHE unit with steam trap, Packet type chiller unit for chilled water, Crate trolley, Air compressor, DG set, Planetary Mixer (Shrikhand), Milk cold room, Deep Freeze, Weighing balance	Meet the requirements of course curricula requirement of UG and PG

Admission Process:**A) B. Tech (DT) degree programme****Mechanism of admission:**

The admission process for B. Tech.(Dairy Technology) degree course under this University is completely online. Candidates who have passed XII Std. (10 + 2) with 50% marks for Unreserved category and 40% marks for Reserved category in Physics, Chemistry, Mathematics and English taken together are eligible for admission to B. Tech. (D.T.) Degree Course.

The admissions are based on the marks obtained by the candidate in MHT-CET examination conducted by state government. The university has developed an integrated web based “Online Admission Process and Student Cycle Management Software” (SCMS), through which the admissions are made. For the purpose of admission, the candidate has to apply online on www.mafsu.ac.in. and also upload the necessary scanned documents/ certificates. The scrutiny of applications is done online at constituent colleges and the final merit list is published. Out of the total intake capacity 15% seats are filled by ICAR, New Delhi while, 85% of seats are filled at university level. All the admissions for university seats are made as state quota. The reservation of seats for admission is maintained as per directives of the state government from time to time. The students selected for admission during various rounds of admission receives e-mail & SMS regarding allotment of seat and such candidate then reports directly to the concerned college for admission with online generated allotment letter, original documents and fees for confirmation of admission.

Fee payment mechanism:

At the time of admission, the student has to pay college & hostel fees through POS/Net banking / DD etc. The University has adopted cashless transaction mechanism for payment of fee by the students since year 2017.

Registration procedure:

The student after confirmation of admission has to submit his roster/registration form for the courses of his study for that semester in consultation with the allotted counselor. Thereafter, student has to apply for obtaining University Enrolment Number through online process. The further academic record of every admitted student is maintained in SCMS till completion of his study.

Academic schedule publication:

Immediately after commencement of classes the academic calendar for the semester / professional year is notified by the Controller of Examination of the University for information of the students and is strictly adhered to.

B) M. Tech. (Dairy) degree programme

The admission process for M. Tech. in dairy technology faculty under this University is completely online. The candidates who have passed B. Tech. (D.T.) with CGPA 6.60 for unreserved category and 5.60 for Constitutionally Reserved category in 10.00 point scale are eligible for admission to M.Tech. Degree Course. The other details of mechanism of admission, fee payment mechanism, registration procedure and academic schedule publication are same as mentioned for undergraduate programme.