

COLLEGE OF DAIRY TECHNOLOGY, UDGIR

ANNUAL REPORT 2017-18

1. INTRODUCTION :

Government of Maharashtra has established College of Dairy Technology, Udgir (Dist. Latur) on 8th of August 2008 under Marathwada Development Programme as a constituent college of Maharashtra Animal and Fishery Sciences University, Nagpur. The main aim of the institute is to enlighten and empower students by imparting advanced knowledge in the fields of dairy technology by adopting innovative, efficient and effective strategies. The college was started in the small structure belonging to College of Veterinary and Animal Science, Udgir and as temporary arrangement, services of teaching and non- teaching staff were pulled from College of Dairy Technology, Warud (Pusad). College started functioning in the small building of COVAS, Udgir as temporary arrangement. It was shifted on 26th Jan, 2010 to new structure, which was Goat and Sheep farm. Within short span of time, the college acquired basic facilities required for B. Tech (Dairy Technology) degree programme.

College offering B. Tech (Dairy Technology), a four year degree course based on ICAR pattern and having the intake capacity including ICAR is 36 students. The course curriculum is on the line of ICAR, New Delhi, which consist of 8 semesters covering one hands on training and an industrial training at multi-product dairy plant all over the country. Since the acceptance of V Dean's committee's recommendations (2016-17), the students are exposed under READY programme to experience various training aspects related to farm milk production practices in the cattle farm of veterinary college, for milk procurement systems the students are deputed to milk collection centers of co-operative and private organization. Also, students are handling and operating the equipments for milk processing, manufacturing of milk products and its marketing during their practical course and hands on training. Beside this for efficient education, institute provides facilities such as internet, intranet, website, sport grounds and its materials. Institute initiated various facilities for the students on no loss and no profit basis viz. transport, tea/Coffee, photocopy, lamination, spiral binding, Wifi campus, Optical Fiber Cable, CCTV, etc.

College library has collection of 3844 books, costing more than Rs. 41.50 lacs. In addition to this, library is dealing with 17 research and extension related monthly magazines and periodicals, 11 Marathi and English news papers. The books and magazines for competitive examinations are also available in the library. The library

has soul software and photo copy facility. Department of Computer Science consists of computers and all are with internet facility and made available for staff/students of institute. It has also developed language laboratory includes 10 computers with Word Worth software. To develop educational skills and to strengthen teaching methods, the class rooms are equipped with audio visual aids such as LCD projector, plasma TV and Interactive white boards with internet facility-2MBPS through optical fiber. College gymkhana has good collection of sport materials for national and western games. basketball, volleyball, badminton, kabaddi, kho-kho play grounds for outdoor games are available in the premises. The facilities for indoor games such as Table-Tennis, Chess and Carrom are also made available to the students and Gym facility available with the institute. For overall development of students different programs viz. Shree Ganesh festival, College foundation day, Fresher's function and orientation programme for newly admitted students and farewell function for the final year outgoing students are being organized.

The NSS activity was commenced from 2009 with 50 volunteers, increased to 60 as regular volunteers and 30 for special activity. Seven special camps were organized under NSS at Lohara (March 2011), Barhali and Loni (March 2012) Kavalkhed (2013) ,Sumthana, Udgir (March 2015), Vadhavana (Khu.) Udgir (March-2016) and Vadhavana (Khu.) Udgir (March-2017), Ghonsi (March-2018) respectively.

To execute the different extension activities such as trainings/workshops for milk producer, rural unemployed youth and rural women empowerment, a small Training and Extension cell was developed at the college. The training hall is well equipped with various extension aids like moving trans-slide, LCD Projector, flex boards, khoa machine, juice dispenser, Sound system, Television; 03 glass fabricated Models, 14 Rollup banners, 12 Informative charts, 20 eco solvent boards etc. Further it is point out that in All India Entrance Examination for Post Graduate Studies conducted by ICAR our students excel every year. Two students from the first batch of the college secured 1st and 3rd rank in 2012, 2nd rank in 2013, 3rd in 2014, 5th rank in 2015 & 1st and 3rd rank in the year 2017.

2. ESTABLISHMENT

Cadre wise list of teaching and non teaching post on college

A. Academic Officers

Sr. No	Name of Cader	Sanctioned	Filled	Vacant
1	Associate Dean	01	01	00
2	Professor	02	01	01
3	Associate Professor and Equivalent	04	00	04
4	Assistant Professor and Equivalent	10	08	02
Total		17	10	07

B. Non-teaching officers/Employees

Sr. No	Name of Cader	Sanctioned	Filled	Vacant
1	Rural New Technician Evaluation cum broad casting	02	00	02
2	Stenographer lower grade	01	00	01
3	Junior Engineer (Civil)	01	00	01
4	Senior Clerk	01	01	00
5	Laboratory Assistant	03	03	00
6	Clerk cum typist	04	00	04
Total		12	04	08

Non-teaching: (Outsourcing)

Sr. No	Name of Cadre	Sanctioned	Filled	Vacant
1	Driver	02	02	00
2	Electrician	01	01	00
3	Junior Mechanic (Mechanic and cooling)	01	00	01
3	Clerk cum Typist	03	02	01
4	Laboratory Attendant	05	05	00
5	Peon	02	01	01
6	Ground man/Attendant	04	04	00
Total		18	15	03

Total strength = (A+B) = (17+12) =29

C. Details of the Faculty members

Name of the Department						
Sr. No	Name	Designation	Phone (Ext)	Phone (R)	Mobile No.	E-Mail
1	Dr.P.G Wasnik	Associate Dean		(02385) 254754	8554002111	pgwasnik@gmail.com
Dairy Technology						
1	Dr.S.D Kalyankar	Assistant Professor			9423435757	sdkalyankar@gmail.com
2.	Ms.P.A. Yawale	Assistant Professor (Ad-hoc)	-----	-----	9175447087	priya.yawale@gmail.com

Dairy Chemistry						
1.	Dr.D.N. Bajad	Professor	-----	-----	9422868714	dnbajad34@gmail.com
2.	Mr.N.R. Pawar	Assistant Professor	-----	-----	9423672616	nrpawar26@gmail.com
Dairy Microbiology						
1	Mr.P.R. Bachanti	Assistant Professor	-----	-----	9405504375	bachanti.prashant@gmail.com
Dairy Engineering						
1	Mr.S.S. Chopde	Assistant Professor	-----	-----	9011799266	santosh.der@gmail.com
Dairy Business Management						
1.	Dr.B.G Nagrale	Assistant Professor	-----	-----	7720845922	drbulbul04vet@yahoo.com
2.	Mr.M.A. Deshmukh	Assistant Professor (Adhoc)	-----	-----	9960561594	mdeshmukh.cd@gmail.com

3. SCHOLARSHIPS/FELLOWSHIPS

Scholarships/Fellowships are awarded to as many students as possible. Following are details for the year 2017-18. The Department of Science and Technology, Govt. of India is providing inspiration scholarship. Besides, private organizations are also providing scholarship to the students.

Sr.No.	Name of Scholarship / Free-ship	Number of Students		Total Amount (Rs.)
		Boys	Girls	
1.	VJNT-GOI Scholarship	13	04	315280
2.	ST--GOI Scholarship	00	01	30955
3.	SC--GOI Scholarship	09	02	248215
4.	OBC--GOI Scholarship	17	07	479480
5.	SBC--GOI Scholarship	---	---	---
6.	VJDT-GOI Freeship	03	02	96210
7.	ST--GOI Freeship	---	---	---
8.	SC--GOI Freeship	00	02	30210
9.	OBC--GOI Freeship	00	03	55650
10.	SBC- GOI Freeship	---	---	---
11.	NTS	05	00	100000
12.	ICAR JRF	---	---	---
13.	Minority	02	01	---
14.	Private scholarship	---	---	---
	Total	49	22	1356000

4. All India Entrance Examination for PG admissions

Give the results of the students from the colleges who have graduated and appeared for PG admissions for All India Entrance Examinations to the PG programme conducted by ICAR.

Name of College	Qualified for JRF	Qualified for SRF	Student receiving JRF	Student receiving SRF	Remarks
CDT,Udgir	2		Mr.Ravi Tanwar		Total eleven students have qualified the examination.
			Mr.Sameer Bhagwat		

5. HOSTEL ACCOMMODATION: Nil

Students are staying in rented rooms nearby to campus. Bus facility is provided to the students on nominal cost.

Students Accommodated in Hostels.

Name of colleges	Boys Hostel			Girls Hostel		
	Name of Hostel	No of rooms	No of students	Name of Hostel	No of rooms	No of students
	U.G. Hostel					
	P.G. Hostel					

6. LIBRARY

Details of Libraries of MAFSU

Sr. No.	Name of College	Item	Number of Books Available	New Books Purchased / Added during 2017-18	Amount Spent Rs.
1.		Books	3844	--	--
		Journals	17	New Subscription = 01 Renewal of Subscription = 08	18574.00
		Other Publications (Thesis & Bound Volumes)		Total Journal = 09	
		Electronic Database			

7. INFRASTRUCTURE/EQUIPMENTS (Pl give information for infrastructure / equipments above Rs. 50,000/- with good quality photographs) (All Academic Staff)

Sr. No.	Infrastructure/Name of Equipments	Amount (Rs. in Lakhs)	Name of scheme/ Budget received from
1.	Automatic Protein Digestion (Model KES 08LR-TS)	1.07	State Contingency
2.	Automatic Protein Distillation (Model DISTYL EM VA)	1.43	State Contingency
3.	Scrubber System (Model KEL VAC)	0.45	State Contingency
4.	Reciprocating pump test rig	0.59	State Contingency
5.	Centrifugal pump test rig	0.84	State Contingency
6.	Cut section of refrigeration trainer	0.59	State Contingency
7.	Bomb calorimeter	0.83	State Contingency
8.	Establishment of Language lab	5.90	State Contingency
	Total	11.7	

8. (MAH) REMOUNT AND VETERINARY SQUADRON, NCC UNIT

Students Performance in NCC

Sr. No.	Type of Examination	Number of Students Passed	Camps			Remarks
			Place	Number of Students Participated		
				Male	Female	
1.						

Any other important information related with NCC if any.

9. HUMAN RESOURCE DEVELOPMENT

Conference/Symposium/Workshop/Summer and Winter Institute/Seminar/Short term training courses etc. **attended by the faculty members**

Sr.No.	Name of Teacher	Date	Place	Name of Conference / Symposium etc
1.	Ms. Priya A Yawale	08.06.2017	Aurangabad	One day workshop on sexual harassment of women at Aurangabad
2.	Er. Santosh s. Chopde	06 th - 26 th Sept. 2017	Department Of Dairy Engineering,	Recent Advances in Sub-baric Evaporation and Spray Drying Technologies

3.	Mahesh Deshmukh	1 st -30 th Nov. 2017	ICAR – National Academy of Agricultural Research Management, Rajendranagar, Hyderabad – 500 030, Telangana State.	Massive open online course MOOC
4.	Dr.P.G Wasnik	11.12.2017	Katraj Dairy, Pune	Dairy Technology Conference
5.	Nilkanth Ramrao Pawar	01 st to 21 st December 2017	NDRI, Karnal	Advance in Validation of Functional Foods

10. RESEARCH (2017-18)

ONGOING RESEARCH PROJECTS IN 2017-18

A. Funding Agency wise number of ongoing research projects: Nil

Sr. No.	Name of the funding agency	No. of projects	Rs. In Lakh
1			
	Total Number of Projects		

B. Funding Agency Wise Details of Ongoing Research Projects in 2017-18 : Nil

Name of Funding Agency:

Sr. No.	Name of Scheme/ Title of Project	Name of P. I. & Address of Institution	Date of Start	Duration	Rs. In Lakhs
Total					

COMPLETED RESEARCH PROJECTS IN 2017-18

C. Funding Agency wise number of completed research projects : Nil

Sr. No.	Name of the funding agency	No. of projects	Rs. In Lakh
1			
	Total Number of Projects		

D. Funding Agency Wise Details of Completed Research Projects in 2017-18 : Nil

Sr. No.	Name of Scheme	Name of P. I. & Address of Institution	Date of Start	Duration	Name of Funding Agency	Rs. In Lakhs

E. MEMORANDUM OF UNDERSTANDING : DETAILS WITH PHOTOS (2017-18)

F. STUDENT'S RESEARCH (Department wise) (2017-18)

Name of the Department	:	
Title	:	
Conclusions	:	

(Only conclusions and not result: Please restrict to 3-6 lines)

G. STAFF RESEARCH (Department wise) (2017-18): Nil

Name of the Department	:	
Name of Project	:	
PI and Co-PI	:	
Funding Agency	:	
<u>Summary</u> <u>(Short)</u>	:	

H. . RESEARCH PUBLICATIONS (2017-18)

To avoid the repetitions of research papers, it is requested to include the research paper from the Department of first author only

Departmentwise Research Publications

Sr. No.	Name of Department	No of Research Papers		
		National	International	Total
1.	Dairy Engineering	03		
2.	Dairy Chemistry	03		
3.	Library	02		
	TOTAL	08		

Details of Research Publications

Sr. No.	Name of Author/s	Year of Publication	Title of Research Artical	Name of the publication /Journal,Volume, Edition, page Nos. etc
1.	Wasnik, PG, Menon RR, Surendra Nath B, Balasubramanyam BV, Manjunatha M and Sivaram M	2017	Application of particle analysis and colour parameters for detection of adulteration of cow ghee with vanaspati derived from image analysis,	Indian Journal of Dairy Science 70(2) 200-208.
2.	Wasnik, PG, Menon RR, Surendra Nath B, Balasubramanyam BV, Manjunatha M and Sivaram M	2017	Application of pixel intensity, fractal dimension and skeleton parameters for detection of adulteration of cow ghee with vanaspati derived from image analysis,	Indian Journal of Dairy Science 70(3) 331-337.
3.	Bajad DN., Khedkar C .D., Kalyankar S.D, Deshmukh M.A, Chopade S.S, .Kele V.D	2017	Exhibition Of Antibacterial Characteristics Of Probiotic Acido-Bifido-Yogurt Against Group Of Certain Pathogens	Multilogic In Science Vol. VI Pp13-16 (April 2017)
4.	A.M. Patil, C.D. Khedkar; S.D. Kalyankar* R.B. Yedatkar and D.N. Bajad;	2017	Standardization of a Method for Preparation of Probiotic Curd	Vol. 19, No. (3) : 2017 : 719-721 © Global Science Publications ISSN-0972-3005
5.	Bajad, D.N; Khedkar, C.D.; Kalyankar S.D; Bajad,G.S, Deshmukh M.A and Bachanti P.R	2018	Potancy Antibacterial Properties of Probiotic Acido-Bifido-Yogurt against E.Coli	International Journal of Pure & Applied Bioscience Issn: 2320 – 7051 Int. J. Pure App. Biosci. 6 (1): 1547-1551 (2018)

6.	S.S Chopde*, M.R Patil, Adil Shaikh, BB Chavhan and MA Deshmukh	2017	Developments in Computer Vision System, Focusing on its Applications in Quality Inspection of Fruits and Vegetables-A Review	Agricultural Reviews, 38 (2) 2017 : 94-102
7.	Shinde M.M, Shete C.D, DeshmanP.J. e, Munjewar S.A	Apr 2018	Anti-Plagiarism Websites and Tools	International Journal of Communication and Media Studies (IJCMS) ISSN (P):2250-0014 Vol. 8, Issue 1 Page No.1-6
8.	Munjewar S.A, Shinde M.M and Deshmane P.J	Nov 2017	Multimedia: An Overview	“International Journal of Research in Applied, Natural and Social Science” ISSN(P): 2347-4580 Volume 5, Issue 11 Page No.53-58

11. EXTENSION EDUCATION AND TRAINING

A. Short Term Training Courses for Field Officers (2017-18)

Sr. No.	Title	Date	No. of Trainees	Sponsoring Agency
	Total			

B. Short Term Training Courses organized for farmers (2017-18)

Sr. No.	Title	Date	No. of Trainees	Sponsoring Agency
1.	Milk and Milk Product: Processing Technologies & Equipments	7 th to 9 th February 2018	69	ATMA
	Total			

C. Workshop/ Seminars organized for Field Officers (2017-18)

Sr. No.	Title	Date	No. of Participants	Sponsoring Agency
	Total			

D. Workshop/ Seminars organized for farmers (2017-18)

Sr.No	Title	Date	No. of Participants	Sponsoring Agency
1.	One day workshop on 'Clean Milk Production and Milk Products Production Technology'	3/12/2017	53	CDT,Udgir
Total				

12.**13. ACTIVITIES IN ADOPTED VILLAGES**

College of Dairy Technology, Udgir has organised several activities in adopted village (Vadhwana, Khu) so as to have livelihood security of farmer. Activities undertaken were Importance of Dairying to Combat Malnutrition;

- ✚ Exploring and awareness on effective dairy farming methods
- ✚ Detection of various adulterants
- ✚ Animal Health check-up camp
- ✚ Self employment through dairying and Fishery
- ✚ Importance of group farming.
- ✚ Natural Farming
- ✚ Manufacturing technologies of traditional dairy products

14. HOSPITAL ACTIVITIES (2017-18)-

Sr. No.	Section	Hospital	Ambulatory Clinic
a	Medicine	--NA--	
b	Surgery		
c	Gynaecology		
d	Artificial Insemination		
e	Vaccination (H.S., BQ, FMD, Anti Rabies etc)		
f	Deworming		
g	Spraying		
h	Other if any (specify)		
	Total		

15. ANIMAL HEALTH CAMPS ORGANIZED (Give only two good quality photos with caption) (2017-18)

Sr. No.	Place	Date	Organized in collaboration with (Name of Agency)	No. of Vaccination (With name of Vaccine)								
				Medicine	Surgery	Gynaecology	Artificial Insemination	Vaccination	Deworming	Spraying	Other if any (specify)	Total
1.	Karadk hel Tal.Ud gri Dist.Latur	02.12.2017	COVAS,Udgir	35	09	38	-		220	359	-	661
2.	Ghons hi Tal. Jalkot Dist. Latur	17.03.2018	COVAS,Udgir	34	12	30	-	284	197	58	-	615

16. FARM ACTIVITIES

Name of farm										
Year of establishment		:	--NA--							
Mandate		:								
Total land		:								
Land under cultivation		:								
Grazing land		:								
Land under any other purpose		:								
Livestock strength on 31st March 2018										
	Sr. No.	Cattle	Buffalo	Sheep	Goat	Poultry	Horse	Fish	Pig	
	1.	--NA--								
Receipt from farm in Rs.										
	Sale of milk								--NA--	
	Goat & dairy training									
	Sale of fodder stumps/seed									
	Sale of animal/s (Sheep & Goat)									
	sale of eggs									
	Poultry trainings									
	Any other item- bakri eid, feed donation, sale of coconut etc.									
	Total									

17. DEMONSTRATIONS ORGANIZED FOR FARMERS (2017-18)

Sr. No.	Place	Date	Name of demonstration	No. of farmers attended
1.	Udgir	1/10/2017	Paneer Making Technology for Women Entrepreneurs	60
2.	Ghonsi, Tq- Udgir, Dist- Latur	17/03/2018	Paneer Manufacturing Technology	25
3.	Ghonsi, Tq- Udgir, Dist- Latur	17/03/2018	Preperation of Spiced Butter Milk	25
4.	Ghonsi, Tq- Udgir, Dist- Latur	16/03/2017	On Cream Seperator	20



Demonstration on Preperation of Spices Butter Milk Technology



Demonstration on Paneer Manufacturing Technology

1. VISIT OF FARMERS AND STAFF

Farmers regularly visited the various institutes of MAFSU individually and in groups to acquire the information and technical knowledge of various animal husbandry activities including that of value added animal products, poultry and fisheries. Staff members visited various places to guide the farmers, for trainings, for giving demonstrations at field level.

Sr. No.	College/ Institute/Farm	No. of Farmers Visited	No. of Field Visit of Staff
1.	Dongershelkee Village	1	5
2.	Babalgao Village	1	1
3.	Ghonsi Village Farm	7	3



Interaction with Khoa Makers of Dongershelke Village



Visit to dairy Farmer Mr Bacherao Deshmukh well known dewani conservator for discussion on dewani milk processing

2. EXHIBITIONS (Organized / Participated)

Sr. No.	Title	Place	Date	No. of visitors to stall	Organized / Participated
1.	Animal & Bird exhibition 2017-18, organized by the Department of Animal Husbandry, Latur	Jalkot	03/12/2017	115	Participated
2.	Pashu Pradarshani, organized by Zilha parishad Nanded at Malegaon	Shri Kshetra Khandoba Yatra at Malegaon Distt. Nanded	17/12/2017.	166	Participated
3.	Agrodhan Exhibition-2017	Latur	24-25/12/2017.	126	Participated
4.	Dairy Exhibition	Udgir	3/01/2018	127	Organised
5.	Dairy Exhibition	Ghonsi, Tq-Udgir, Dist-Latur	17/03/2018	—	Organised
6.	Jilha Krushi Mahotsava	Latur	24-28/03/2017	413	Participated



Participated in Agrodhan Exhibition- 2017 held at Latur



Participated in Pashu Pradarshani in Shri Kshetra Khandoba Yatra at Malegaon

3. PUBLICATIONS / RADIO & TV TALKS

A. Abstract of Extension Publications :

Name of college	Leaflets/ Booklets	Books	Local Publication (in News-paper)	Publications (Periodicals)	Radio programmes	T.V. programmes
CDT, Udgir	02	—	04	01	—	01

B. Details of Extension Publications as per above abstract should be given separately here.

4. WEB SITE: Address of College Website:

Institute having own website www.cdtudgir.in. Information related to college which is helpful for the student, farmers, SHG, women is published on the website. The website contains almost 72 pages information. The extension cell has provided information in MARATHI (folders, Booklet, FAQ, etc) for milk producers, farmers, unemployed youth, etc also college have provided Lab to Land operation through SMS facility.



5. AWARDS, HONOURS AND RECOGNITIONS:

A. Faculty Awards/ Achievements

Sr.No.	Name of Faculty	Name of Award / Achievement with details	Place	Date	Photo of receiving Award
1					

B. Students Award/Achievements

Sr.No.	Name of Student	Name of Award / Achievement with details	Place	Date	Photo of receiving Award
1					

6. VISITS OF DIGNITARIES / DISTINGUISHED VISITORS

Sr. No	Name of Dignitary with designation	Date	Purpose of visit
1	i. Dr. Sharangowda B.Patil (Associate Dean) ii. Dr. H. Manjunatha (Special Officer) of Dairy Science College visited CDT, Udgir.	16/05/2017	Official Visit
2.	Dr. R. R Bhatkar, Executive council member of MAFSU,	5/07/2017.	Overview and Progress of the institute
3.	Dr. Dakshinkar, Director of Instruction & Dean (Veterinary) along with university Engineer, MAFSU, Nagpur	10/072017	Overview and Progress of the institute



Dr.Dakshinkar (DI & Dean Veterinary) visited CDTU



EC Member Visited CDTU

**Director (Extension and Training)
MAFSU, Nagpur**