



Anekant Education Society's

Tuljaram Chaturchand College, Baramati
(Autonomous)

Department of Dairy Technology
(Faculty of Vocational Education)

Minutes of Board of Studies Meeting

(Academic Year: 2023-2024)

Date of Meeting: 07/03/2024

Venue: Department of Dairy Technology

March, 2024

Date: 04/03/2024

To,
The Principal,
Tuljaram Chaturchand College,
Baramati

Subject: Regarding permission to organize BoS meeting.

Respected Sir,

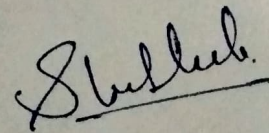
With reference to above cited subject, and with your permission, the Dept. of Dairy Technology would like to conduct a BoS meeting on Thursday, 07th March, 2024 at 12:00PM (Online mode).

The agenda of the meeting is to design and approve curriculum of T. Y. B. Voc. Semester V (2022 pattern) and to design and approve curriculum of S. Y. B. Voc. Semester III (2023 pattern as per NEP - 2020) to be implemented from the academic year 2024 - 2025.

This meeting will be crucial in providing valuable insights and inputs from our experienced BOS members. It will also help us align the curriculum with the latest developments in the field and provide our students with a comprehensive education by following provisions given in the NEP 2020.

Therefore, I request your permission to organize the Board of Studies meeting.

Thank You!



Ms. Patwardhan Shubhada S.
Chairman
BoS,
B. Voc. Dairy Technology

Anekant Education Society's
Tuljaram Chaturchand College, Baramati
(Autonomous)

Department of Dairy Technology

AGENDA OF THE MEETING

The agenda of the meeting included the following subjects:

1. To confirm the minutes of the previous meeting held on 25th October, 2023.
2. To design and approve curriculum of T. Y. B. Voc. Semester V (2022 pattern) to be implemented from the academic year 2024-2025.
3. To design course and credit structure for the S. Y. B. Voc. Semester III and semester IV in accordance with the NEP – 2020.
4. To design and approve curriculum of S. Y. B. Voc. Semester III (2023 pattern as per NEP - 2020) to be implemented from the academic year 2024 - 2025.
5. To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.
6. Any other issue with the permission of the chair.

**Anekant Education Society's
Tuljaram Chaturchand College,
of Arts, Science and Commerce, Baramati, Pune
Department of Dairy Technology
B. Voc. Dairy Technology**

NOTICE

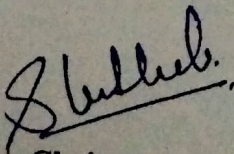
Date: 04/03/2024

This is to inform all the members of the Board of Studies (B.Voc Dairy Technology) that the sixth meeting of the second cycle for the following agendas is to be conducted on Thursday, 07th March, 2024 in the Dept. of Dairy Technology, at 12:00PM (Online mode).

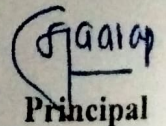
The agenda of the meeting is as follows:

AGENDA

1. To confirm the minutes of the previous meeting held on 25th October, 2023.
2. To design and approve curriculum of T. Y. B. Voc. Semester V (2022 pattern) to be implemented from the academic year 2024-2025.
3. To design course and credit structure for the S. Y. B. Voc. Semester III and semester IV in accordance with the NEP – 2020.
4. To design and approve curriculum of S. Y. B. Voc. Semester III (2023 pattern as per NEP - 2020) to be implemented from the academic year 2024 - 2025.
5. To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.
6. Any other issue with the permission of the chair.



**Chairman
Board of Studies**



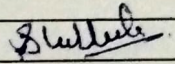
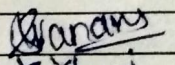
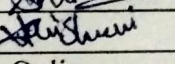
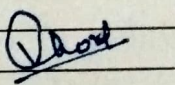
Principal

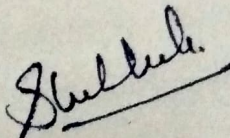
**Anekant Education Society's
Tuljaram Chaturchand College, of Arts, Science and Commerce,
Baramati, Pune**

**Department of Dairy Technology
B. Voc. Dairy Technology
Attendance of BoS meeting**

Date: 07/03/2024

The sixth meeting of BoS in Department of Dairy Technology was held on Thursday, 07th March, 2024 at 12:00 pm (Online mode) to design and approve course and credit structure for the Semester V (2022 Pattern) and Semester III (NEP 2020 Pattern) of B.Voc Dairy Technology programme to be implemented from the academic year 2024-2025. The following members were present for the meeting.

Sr. No.	Name of the BoS member	Designation	Signature
1	Miss. S. S. Patwardhan	Chairman	
2	Ms. More N. B.	Member ((Ad hoc)	Online
3	Ms. Khomane Vaishnavi	Member ((Ad hoc)	Online
4	Mrs. Ganbote Shruti	Member ((Ad hoc)	
5	Ms. Temkar Vaishnavi	Member ((Ad hoc)	
6	Dr. Khojare Ajit. S.	Expert from other University	Online
7	Ms. Anagal Pranoti	Expert from University	Online
8	Dr. Sahoo A. K.	Expert from other University	Online
9	Mr. Vhorkate Karan. D.	Meritorious Alumni	


Chairman
Board of Studies

MINUTES OF THE MEETING

As per the notice no. 471 issued by the college, the meeting of Board of Studies was successfully held on 07th March, 2024, at 12:00 PM, in the Department of Dairy Technology, T. C. College, Baramati. The meeting took place in online mode, adhering to the guidelines and protocols set by the college. Under the guidance of Asst Prof. Ms. Patwardhan S. S., Chairman of the Board of Studies in Dairy Technology, the meeting commenced with a warm welcome to all the esteemed members, followed by a brief introduction of the meeting's objectives. During the meeting, fruitful discussions were held on the items mentioned in the circulated agenda. We are pleased to inform you that the following resolutions were made during the BOS meeting.

1. To confirm the minutes of the previous meeting held on 25th October, 2023.

Ms. Patwardhan S. S. read the minutes of the BoS meeting held on 25th October 2023 and put forward to the BoS members for the approval.

Resolution No. 1: The minutes of the previous Board of Studies meeting were approved and confirmed.

2. To design and approve curriculum of T. Y. B. Voc. Semester V (2022 pattern) to be implemented from the academic year 2024-2025.

The Board of studies carefully studied and designed the curriculum for Semester – V of T. Y. B. Voc. Programme well in advance before conduction of the BoS meeting. All the members were provided with this draft for further discussion to strengthen the curriculum, aligning it with the guidelines of the credit structure of 2022 pattern, for the implementation in the academic year 2024-2025. During the discussion, certain modifications were suggested by the board members. Ms. Temkar V. S. dictated each course of the above said curriculum. The topic on Packaging material was removed from UBDT – 351 according to the suggestion of Ms. Patwardhan. Dr. Khojare recommended the inclusion of study of sensory evaluation for dairy products in UBDT – 351- 1, Quality Assurance and Waste Management. A study swab test was included in UBDT – 351 – 1 from the suggestions of Ms. More N. B. Ms. Pranoti Anagal suggested the inclusion of topics on butter oil in UBDT – 352, Fat Rich Milk

Products. According to the suggestions of Ms. More, the practical in UBDT – 351 – 2 were arranged in a sequence of manufacturing procedures. A topic of Dairy plant layout and design was added in UBDT – 353, Dairy Plant Management.

It was mutually decided by all the BoS members to maintain uniformity in the number of units across all courses, with a total of five units for the 04 - credit theory courses and 15 experiments for the 06 - credit practical courses. After thorough discussion and consideration of all the suggestions, the following finalized curriculum was presented for approval during the BoS meeting.

Class	Pattern	Semester	Course Code	Course Title	Course Type	No. of Credits
T. Y. B. Voc. Dairy Technology	2022 Pattern	V	UBDT - 351	Dairy Processing Equipment	Theory	04
			UBDT – 352	Fat Rich Milk Product	Theory	04
			UBDT – 353	Dairy Plant Management	Theory	04
			UBDT – 351-1	Dairy Processing Equipment	Practical	06
			UBDT – 351-2	Fat Rich Milk Product	Practical	06
			UBDT – 351-3	Project	Practical	06
Total No. of Credits						30

Resolution No. 2: The curriculum of T. Y. B. Voc. Semester V (2022 Pattern) has been unanimously approved by all the BoS members.

3. To design course and credit structure for the S. Y. B. Voc. Semester III and semester IV in accordance with the NEP – 2020.

The BOS has discussed the course structure of the B. Voc. Dairy Technology Programme as per the 2023 pattern (NEP) credit structure guidelines. Taking into consideration the valuable suggestions provided by the BOS members, necessary modifications were made to the course structure. After careful consideration and thorough discussion, the final course structure has been determined, ensuring compliance with the NEP - 2020 guidelines.

Resolution No. 3: The design of course and credit structure for the S. Y. B. Voc. Semester III and Semester IV in accordance with the NEP – 2020 has been unanimously approved by all the BoS members.

4. **To design and approve curriculum of S. Y. B. Voc. Semester III (2023 pattern as per NEP - 2020) to be implemented from the academic year 2024 - 2025.**

The board deliberately studied and designed the curriculum of S. Y. B. Voc. Semester – III 2023 pattern, aligning it with the guidelines of the credit structure of NEP 2020 guidelines, for the implementation in the academic year 2024-2025. During the discussion, certain modifications were suggested by the board members.

Ms. Patwardhan suggested the addition of a topic on workshop tools in DRT – 201 – MJM, Dairy Processing Equipment. Both the Indian and western fermented products were included in the same unit according to the suggestion of Mrs. Ganbote S. S. In DRT – 202 – MJM Fermented Milk Products. A practical subject of preparation of fermented milk products was introduced as DRT – 203 – MJM as per the suggestions of Dr. Khojare. Examples of specific vitamin and mineral rich dishes were included in DRT – 204 – MJM as suggested by Ms. Temkar. According to the suggestions of Ms. Pranoti, The theoretical and practical study of chemical attributes of milk was considered for minor subjects of DRT – 211 – MN as Dairy Chemistry and DRT – 212 – MN Chemical Analysis of Milk respectively. For the Open Elective course, DRT – 216 – OE, Dairy Plant Management was considered. And for DRT – 221 – VSC, a course on Entrepreneurship Development was considered by all the BoS members. It was mutually decided among all the BoS members to inculcate study of various attributes of Dairy Industry under the course of DRT – 235 – FP. All the members of BoS were informed that, the courses of Ability Enhancement, Indian Knowledge System and Co-curricular courses would be offered centrally by various departments. The courses offered under AEC are in Marathi, Hindi and Sanskrit language. The generic IKS would be conducted centrally. And co-curricular courses such as Yoga, Physical Education, NSS and NCC would be conducted. Furthermore, it was decided to maintain uniformity in the number of units across all courses, with a total of four units for the 02 - credit theory courses and 15 experiments for the 02 - credit practical courses. Finally, it was agreed that the revised curriculum would be submitted to the academic council of the college for approval.

The board thoroughly discussed and finalized the syllabus for the following courses of F. Y. B.Voc. Semester III and IV (2023 pattern).

Class	Pattern	Semester	Course Code	Course Title	Course Type	No. of Credits
S. Y. B. Voc. Dairy Technology	2023 Pattern (NEP)	III	DRT-201-MJM	Dairy Processing Equipment	Theory	02
			DRT-202-MJM	Fermented Milk Products	Theory	02
			DRT-203-MJM	Manufacture of Fermented Milk Products	Practical	02
			DRT-204-MJM	Nutrition Science	Practical	02
			DRT-211-MN	Dairy Chemistry	Theory	02
			DRT-212-MN	Chemical Analysis of Milk	Practical	02
			DRT-216-OE	Dairy Plant Management	Theory	02
			DRT-221-VSC	Entrepreneurship Development	Practical	02
			MAR-231-AEC	भाषिक उपयोजन व लेखन कौशल्ये	Theory	02
			HIN-231-AEC	हिंदी भाषा कौशल्ये		
			SAN-231-AEC	प्राथमिक संभाषण कौशल्यम्		
			NSS/NCC/PES/ YOG/CUL- 239-CC	NSS -239-CC	Practical	02
				NCC -239-CC		
				PES -239-CC		
				YOG-239-CC		
				CUL-239-CC		
DRT-235- FP	Field Project	Practical	02			
GEN-245-IKS	Indian Knowledge System (Generic)	Theory	02			

						Total No. of Credits	24
S. Y. B. Voc. Dairy Technology	2023 Pattern (NEP)	IV	DRT-251-MJM	Dairy Engineering	Theory	02	
			DRT-252-MJM	Traditional Indian Dairy Products	Theory	02	
			DRT-253-MJM	Manufacture of Traditional Indian Dairy Products	Practical	02	
			DRT-254-MJM	Food Preservation Technology	Practical	02	
			DRT-261-MN	Dairy Microbiology	Theory	02	
			DRT-262-MN	Microbial Analysis of Milk	Practical	02	
			DRT-266-OE	Food Safety, Hygiene and Sanitation	Theory	02	
			DRT-276-SEC	Research Methodology	Practical	02	
			MAR-281-AEC	लेखन निर्मिती व परिक्षण कौशल्ये	Theory	02	
			HIN-281-AEC	हिंदी भाषा: संप्रेषण कौशल्ये			
			SAN-281-AEC	प्रगत संभाषण कौशल्यम्			
			NSS/NCC/PES/ YOG/CUL- 289-CC	NSS-289-CC	Practical	02	
				NCC-289-CC			
				PES-238-CC			
YOG-289-CC							
CUL-289-CC							
DRT-285- CEP	Community Engagement Project (CEP)	Practical	02				
Total No. of Credits						22	

Resolution No. 4: The design and a curriculum of S. Y. B. Voc. Semester III (2023 pattern as per NEP - 2020) to be implemented from the academic year 2024 - 2025 has been approved by all the PoS members.

5. **To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.**

The Chairman initiated the discussion by highlighting the importance of incorporating feedback from both Alumni and current students in the syllabus design process. The department collected the suggestions of various stakeholders such as current students, alumni, teachers, parents, employers etc. via feedback forms. It was noted that their insights and suggestions would greatly contribute to creating a curriculum that aligns with the needs and expectations of the students. Therefore, the BOS members reviewed the feedback and suggestions given by the alumni and students and incorporated the relevant suggestions into the curriculum of T.Y. B. Voc. Dairy Technology.

Resolution No. 5: Considered and Approved


6. **Any other issue with the permission of the chair.**

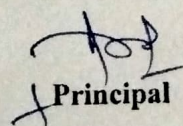
Other than the above mentioned agendas, it was mutually discussed and decided by the BoS members to give more emphasis on recent advances in Dairy Business and growth of students by organizing different activities and celebrating commemorative days.

Resolution No. 6: Considered and Approved

The meeting of BOS was concluded with the vote of thanks by Mrs. Ganbote Shruti S.


Chairman
Board of Studies


IQAC
Coordinator


Principal

Shubhada Patwardhan (Presenting)

Kavayitri Bale Purna University
Anekant Education Society's
**TULJARAM CHATURCHAND COLLEGE,
BARAMATI, DIST-PUNE - 413102**

Syllabus
For
B. Voc.
(Dairy Technology)
T. Y. Semester V (2022 Pattern)

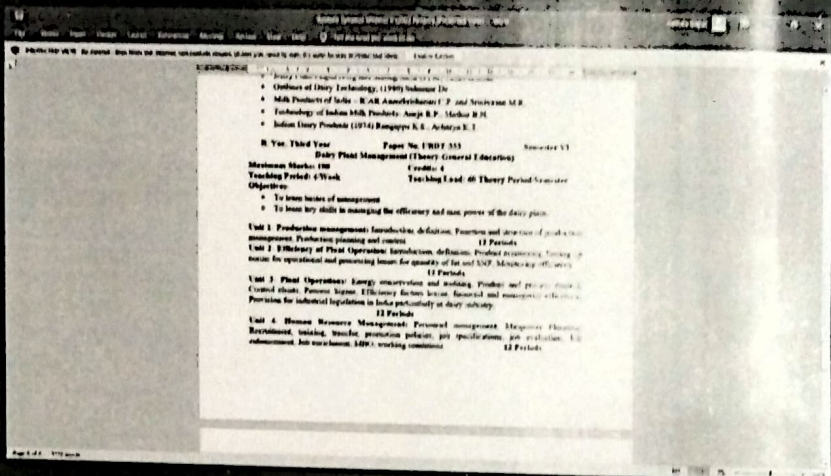
Sponsored by

Shubhada Patwardhan

Nikita More

Pranoti Anagal

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Shubhada is presenting



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