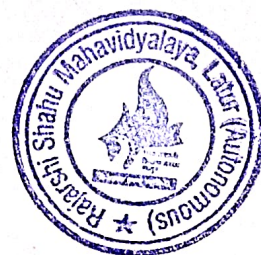


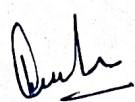
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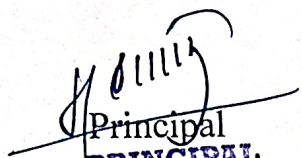


Name of the Faculty: V.R.Hanwate
 Subject: Microbiology
 Class: M.Sc II
 Course Title: Bioprocess Engineering

Unit	Chapter to be covered	No. of Lectures	Date	Academic activities to be organized	Test/ Assignment
I	Introduction to Industrial Bioprocess Engineering and Bioreactors	12	15/7/2024 To 7/08/2024	Seminar	Class test
II	Mass Transfer and Sterilization	11	12/08/2024 To 9/09/2024	Poster Presentation	Assignment
III	Upstream processing	10	10/09/2024 To 8/10/2024	Quiz	Assignment
IV	Down Stream Processing	12	09/10/2024 To 24/10/2024	PPT Presentation	Class test


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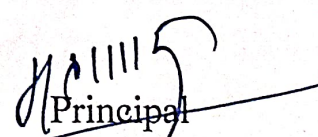
Name of the Faculty: V.R.Hanwate
Subject: Microbiology
Class: M.Sc I
Course Title: Food and Dairy Microbiology



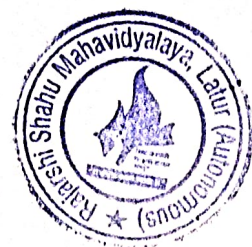
Unit	Chapter to be covered	No. of Lectures	Date	Academic activities to be organized	Test/ Assignment
I	Industrial Food fermentstions	12	18/07/2024 TO 03/08/2022	Quiz	Class test
II	Food spoilage and preservation	12	08/08/2024 To 31/08/2024	Seminar	Assignment
III	Quality and assurance in foods	12	05/09/2024 To 27/09/2024	Poster Presentation	Assignment
IV	Advanced Food Microbiology	09	28/09/2024 To 25/10/2024	Fermented food Exhibition	Class test


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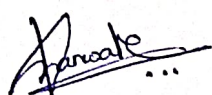

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Name of the Faculty: V.R.Hanwate
 Subject: Microbiology
 Class: M.Sc I
 Course Title: Microbial Diversity and Extremophiles

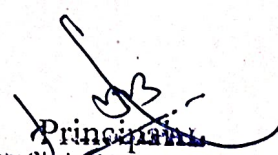
Unit	Chapter to be covered	No. of Lectures	Date	Academic activities to be organized	Test/ Assignment
I	Biodiversity and Thermophiles	12	05/12/24 to 28/12/24	Seminar	Class test
II	Acidophiles and Alkalophiles	12	02/01/25 to 25/01/25	Poster presentation	Assignment
III	Psychrophiles	12	30/01/25 to 27/02/25	PPT presentation	Assignment
IV	Halophiles and Barophiles	09	28/02/25 to 27/03/25	Quiz	Class test



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Name of the Faculty: V.R.Hanwate
 Subject: Microbiology
 Class: M.Sc II
 Course Title: Bioinstrumentation

Unit	Chapter to be covered	No. of Lectures	Date	Academic activities to be organized	Test/ Assignment
I	Laboratory techniques	12	09/12/24 to 08/01/25	Seminar	Class test
II	Chromatography Techniques	12	13/01/25 to 05/02 25	Poster presentation	Assignment
III	Electrophoretic Techniques	12	12/02/25 to 05/03/25	PPT Presentation	Assignment
IV	Spectroscopic and Radio-isotopic Techniques	09	09/03/25 to 26/03/25	Quiz	Class test

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