

SCHOOL OF SCIENCES

CRITERIA 1

SUB CRITERIA 1.3.3

**Percentage of students undertaking
research projects / internships**

Academic Year

2021-2022




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School of Science ITM University
Gwalior (M.P.)-INDIA-474001



Dr. Omveer Singh
REGISTRAR
ITM University
Gwalior (M.P.)

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Total Number of Research Projects in UG and PG


Research Projects/Internships	Program	Total Number of students involved in research projects
	BSc Food Technology, SOS	11
	MSc Food Technology, SOS	06

The students undertake mini and major projects for increasing their practical knowledge and experience. Students are encouraged to do their research in the university, Food-Industries, and to encourage the research insight in them

Total Number of Research Projects in PG

Research Projects	Program	Total Number of students involved in research projects
	MSc Food Technology, SOS	06

In the Food Technology disciplines, there is mandatory 6 months research project. In the curriculum design it has been incorporated into the programmed and complete it as a mandatory part of final year training.


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**DEPARTMENT OF FOOD TECHNOLOGY
(2021-2022)**

NAME OF COURSE: M.SC. FOOD TECHNOLOGY

SEMESTER: FOURTH

SUBJECT WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS

S.No.	Subject Code	Subject Name & Title	Maximum Marks Allotted							Credits Allotted Subject wise			Total Credits	Remarks
			Theory Slot			Practical Slot			Total Marks	Period per week				
			End Sem.	Mid Sem. MST (Two tests average)	Class Participation	End Sem	Progressive Evaluation	Internal viva		L	T	P		
1.	FT-401	Research Project	-	-	-	-	-	-	200	-	-	18	18	
2.	FT-402	Research Report and Presentation	-	-	-	-	-	-	100	-	-	04	04	

Total credits = 22

Minimum Marks for passing in End Semester Practical – 50%


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Syllabus-2021-2022

(SOS)(MSc_FoodTechnology)

Title of the Course	Research Project [P]
Course Code	FT-401 [P]

Part A

Year	2nd	Semester	4th	Credits	L	T	P	C
					0	0	18	18
Course Type	Project							
Course Category	Projects and Internship							
Pre-Requisite/s	The student should have knowledge of food science			Co-Requisite/s	enable students observe, first hand, work flow and processes in food industries and associated enterprises			
Course Outcomes & Bloom's Level	CO1- The student will be able to appreciate different processing and production technologies in various industrial settings(BL4-Analyze) CO2- The student will be exposed to the diverse setting in food industries (BL5-Evaluate)							
Course Elements	Skill Development ✓ Entrepreneurship ✗ Employability ✓ Professional Ethics ✓ Gender ✗ Human Values ✗ Environment ✗	SDG (Goals)	SDG1(No poverty) SDG2(Zero hunger) SDG3(Good health and well-being)					

Part B

Modules	Contents	Pedagogy	Hours
1	Selection of industry relevant to food and allied products	Hands-on working experience in the industry/ Internship Report	8
2	Working in department/s within the selected industry	Hands-on working experience in the industry/ Internship Report	8
3	Periodic analysis of data and preparation of report	Hands-on working experience in the industry/ Internship Report	8
4	Final preparation of internship report	Hands-on working experience in the industry/ Internship Report	8

Part D(Marks Distribution)

Theory

Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation
	0				

Practical

Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation
200	0	200	0	0	0

Part E

Books	
Articles	
References Books	
MOOC Courses	
Videos	

Course Articulation Matrix

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	-	-	-	-	-	-	-	-	-	-	-	-	3	2	2
CO2	-	-	-	-	-	-	-	-	-	-	-	-	3	2	3
CO3	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3
CO4	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3
CO5	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3
CO6	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3


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"CELEBRATING DREAMS"

Details of PG Research projects

Name of the School: School of Sciences ,ITM University, Gwalior.

Name of the Course and Branch: M.Sc .Food Technology

Session:2020-2022

TotalNo.ofStudentsenrolled:06

Sample of Research Projects

S.No	Specialization	Name of the Student	Roll No.	Title of the project	Duration	Guide's Name
1	M.Sc Food Technology	Sakshi Shrivastava	MSFN1FT20001	Utilization of brewers spent grains in edible bowls	6 months	Dr. Mamta Thakur
2	M.Sc Food Technology	Kamarsu Sai Teja Aravind	MSFN1FT20002	Isolation and Comparative Characterization of legume starch and product development	6 months	Dr. Mamta Thakur
3	M.Sc Food Technology	Savant Sahu	MSFN1FT20005	Study of defects in 50-50 biscuits and consumer compliants	6 months	Dr. Hradesh Rajput
4	M.Sc Food Technology	Hijam Sunjeeta Chanu	MSFN1FT20007	Utilization of Jackfruit rind in chips preparation	6 months	Dr. Hradesh Rajput
5	M.Sc Food Technology	Angom Reshmi	MSFN1FT20008	Utilization of Jackfruit rind in muffins preparation	6 months	Dr. Hradesh Rajput
6	M.Sc Food Technology	Shraddha Pandey	MSFN1FT200011	Studies on Garcinia indica properties and its utilization	6 months	Dr. Mamta Thakur


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School of Science ITM University
Gwalior (M.P.)-INDIA-474001

ITM University Gwalior Campus, NH-44, Turari, Gwalior, (M.P.) - 475 001 INDIA
mail: info@itm university.ac.in, web: www.itmuniversity.ac.in


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Gwalior (M.P.)

List of Students of MSc Food Technology (2019-2022) 4th Semester

Enrolment No.	Name of Student
ITMSS19S0050	Sakshi Shrivastava
ITMSS19S0051	Kamarsu Sai Teja Aravind
ITMSS19S0052	Savant Sahu
ITMSS19S0053	Hijam Sunjeeta Chanu
ITMSS19S0054	Angom Reshmi
ITMSS19S0055	Shraddha Pandey


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Dr. Omveer Singh
REGISTRAR
ITM University
Gwalior (M.P.)

**“UTILIZATION OF JACKFRUIT RIND FOR CHIPS
PREPARATION”**

Thesis

Submitted in partial fulfilment for the award of the degree of

MASTER OF SCIENCE

In

Food Technology



Submitted by

ANGOM RESHMI

(MSFN1FT20008)

Under the guidance of

Dr. HRADESH RAJPUT

Assistant Professor

Department of Food Technology,

School of Sciences

ITM UNIVERSITY, GWALIOR-474026 MP, INDIA

2022

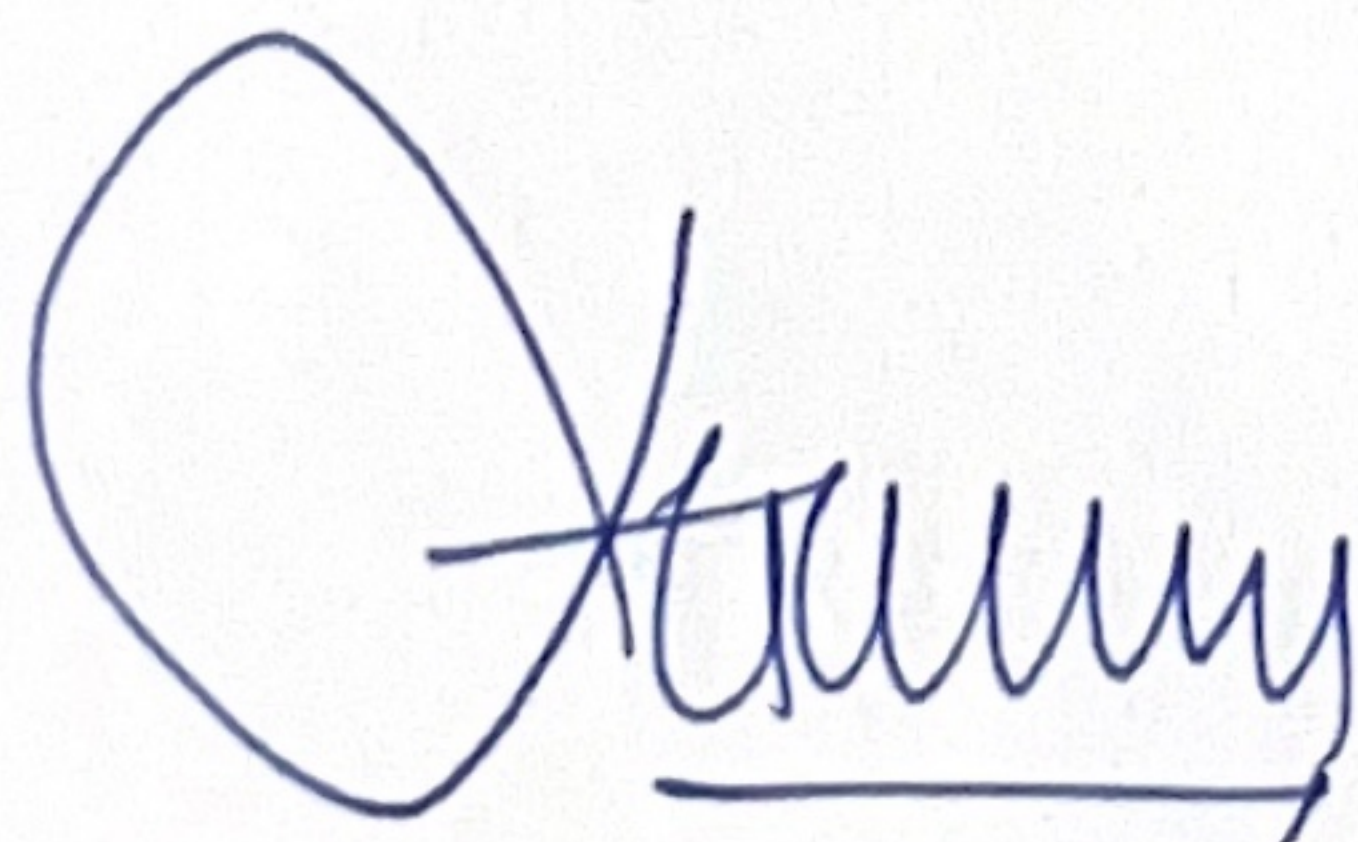
Prof. (Dr.) Yogesh C Goswami
Dean
School of Sciences, ITM University
Gwalior (M.P.)-INDIA-474001

CERTIFICATE(I)

This is to certify that the work title “UTILIZATION OF JACKFRUIT RIND FOR CHIPS PREPARATION” submitted by Angom Reshmi , Roll No. MSFN1FT2008 in partial fulfilment for the award of degree of M.Sc. (Food Technology), ITM University, Gwalior has been carried out under my /our supervision.

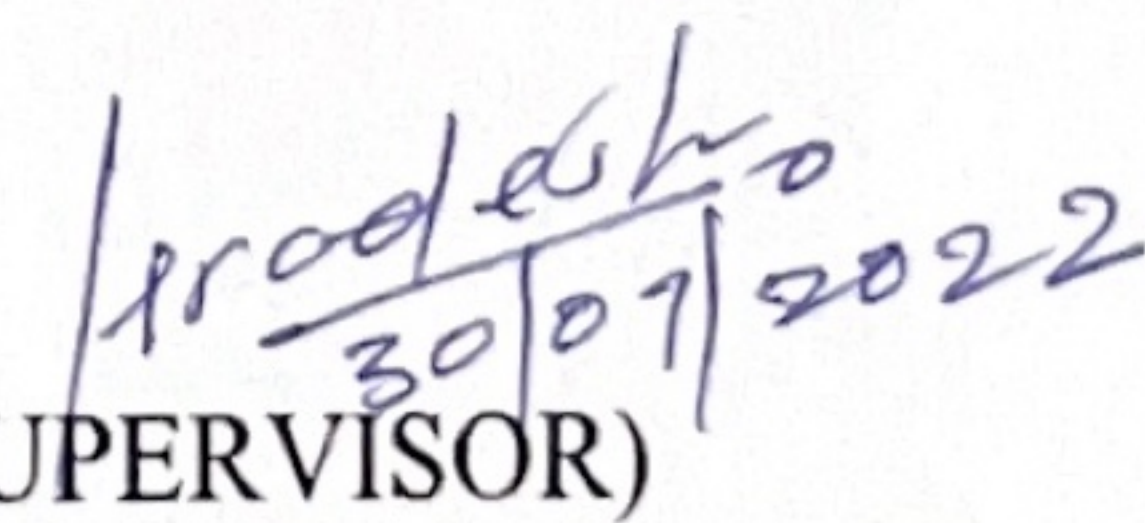
To the best of, my knowledge and belief, the dissertation

- I. Is original piece of work of Candidate herself
- II. Has duly been completed?
- III. Is up to the standard both in respect of contents and language?
- IV. Fulfils the requirement of the ordinance relating to M.Sc. Degree of the university
- V. Work has not been submitted partially or wholly to any other University or Institute for the award of this or any other degree or diploma.



DEAN,

SCHOOL OF SCIENCES


(SUPERVISOR)

Dr. HRADESH RAJPUT

Assistant Professor

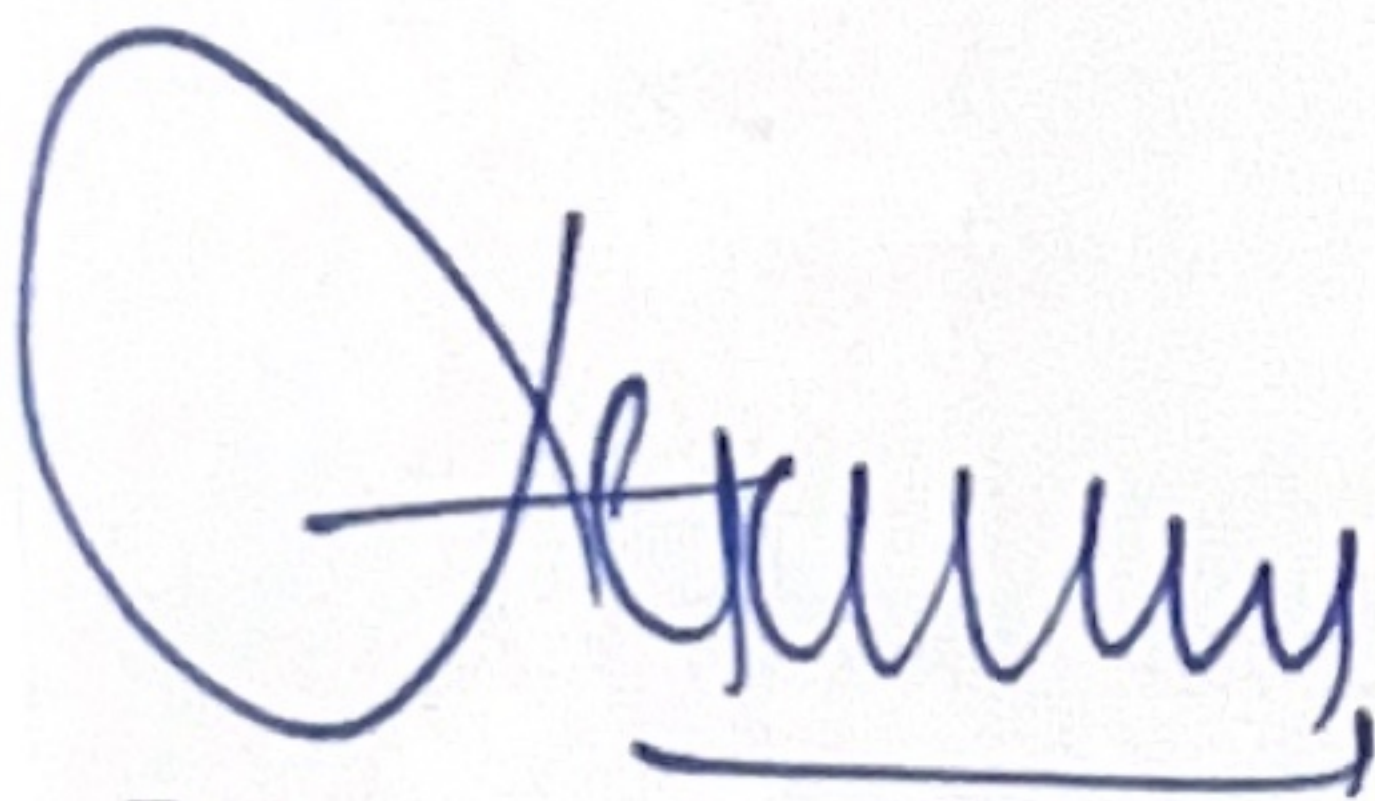
Department of Food Technology

ITM University, Gwalior

Date:

CERTIFICATE (II)

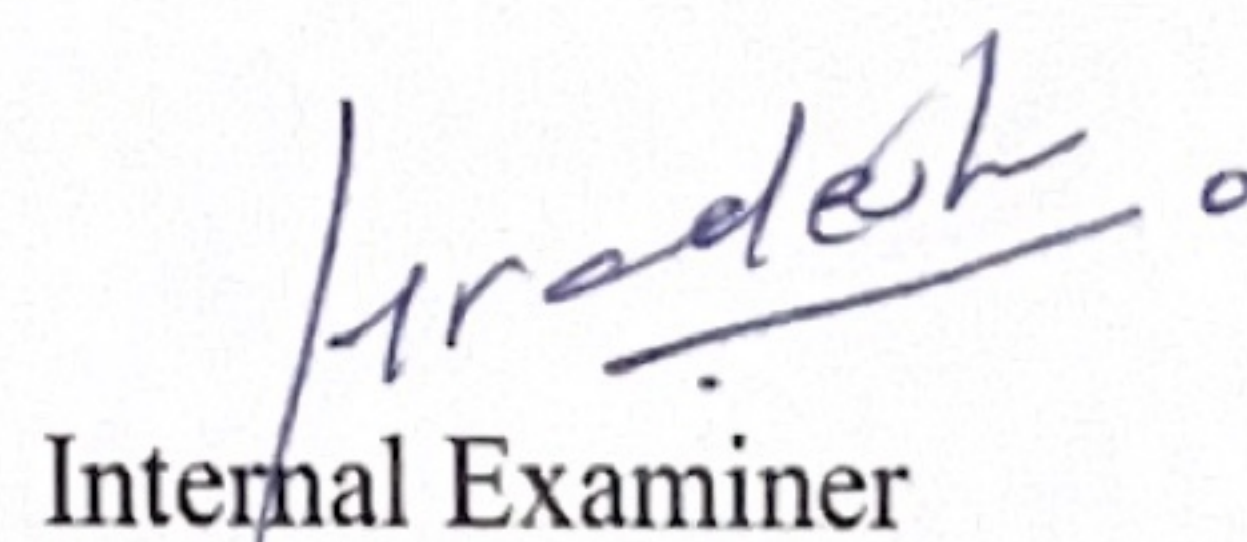
This is to certified that the thesis entitled "Utilization of jackfruit peel in bakery industry" submitted by **Miss Angom Reshmi** to the School of Sciences, ITM University Gwalior in partial fulfilment of the requirement for the degree of Master of Science (M.Sc.) in the discipline of Food Technology has been successfully defended in presence of Advisory Committee after an oral examination of the student in collaboration with an internal examiner.



Dean

School of Sciences

ITM University Gwalior



Internal Examiner

**“UTILIZATION OF JACKFRUIT RIND FOR MUFFIN
PREPARATION”**

Thesis

Submitted in partial fulfilment for the award of the degree of

MASTER OF SCIENCE

In

Food Technology



Submitted by

HIJAM SUNJEETA CHANU

(MSFN1FT20007)

Under the guidance of

Dr. HRADESH RAJPUT

Assistant Professor

Department of Food Technology,

School of Sciences

ITM UNIVERSITY, GWALIOR-474026 MP, INDIA

2022

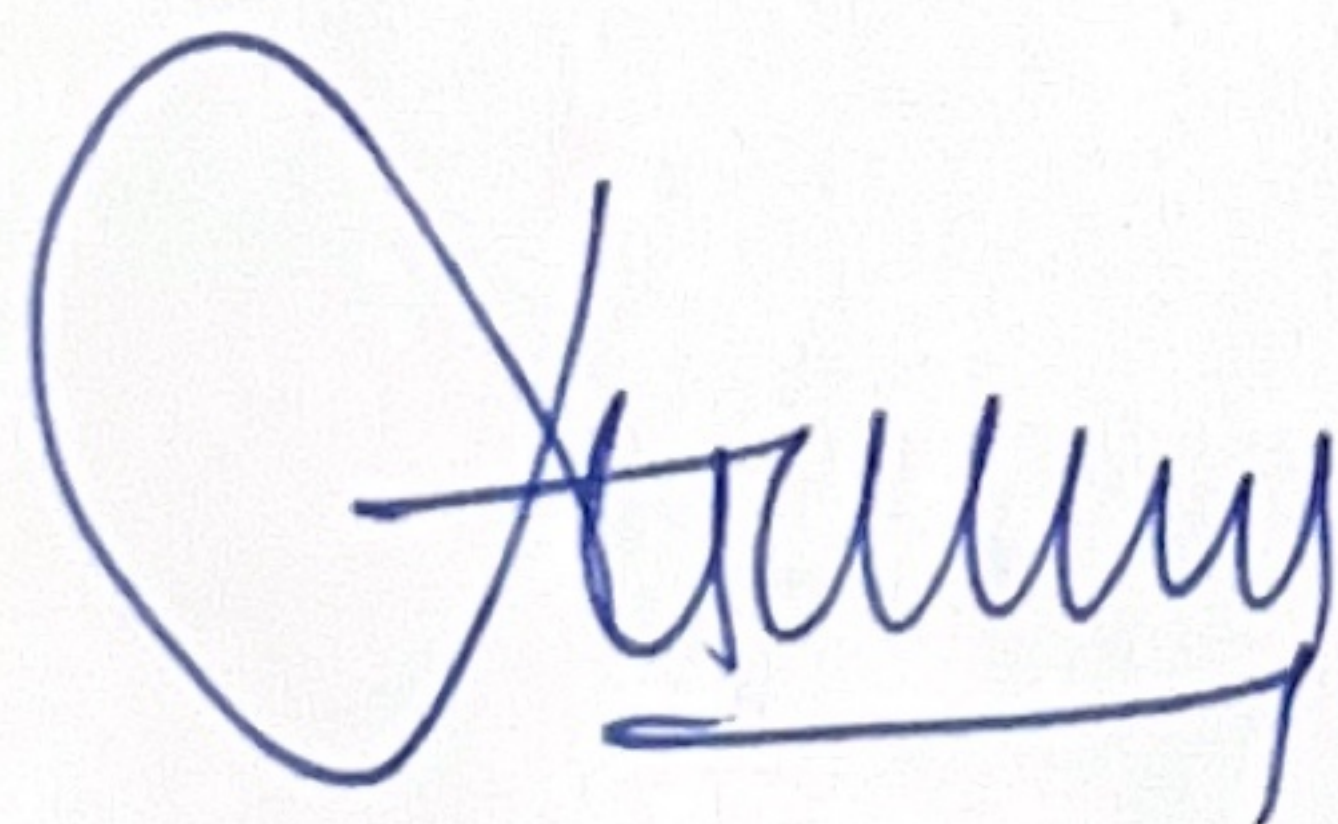
Prof. (Dr.) Yogesh C Goswami
Dean
School of Science ITM University
Gwalior (M.P.)-INDIA-474001

CERTIFICATE(I)

This is to certify that the work title “UTILIZATION OF JACKFRUIT RIND FOR MUFFIN PREPARATION” submitted by **Hijam Sunjeeta Chanu**, Roll No. **MSFNIFT2007** in partial fulfilment for the award of degree of M.Sc. (Food Technology), ITM University, Gwalior has been carried out under my /our supervision.

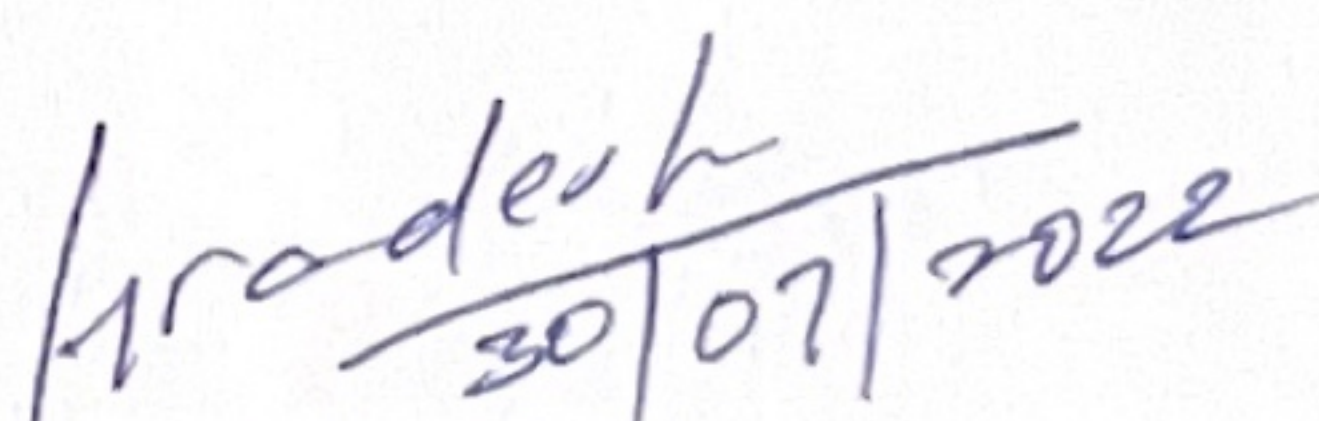
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SCHOOL OF SCIENCES


30/07/2022
(SUPERVISOR)

Dr. HRADESH RAJPUT

Assistant Professor

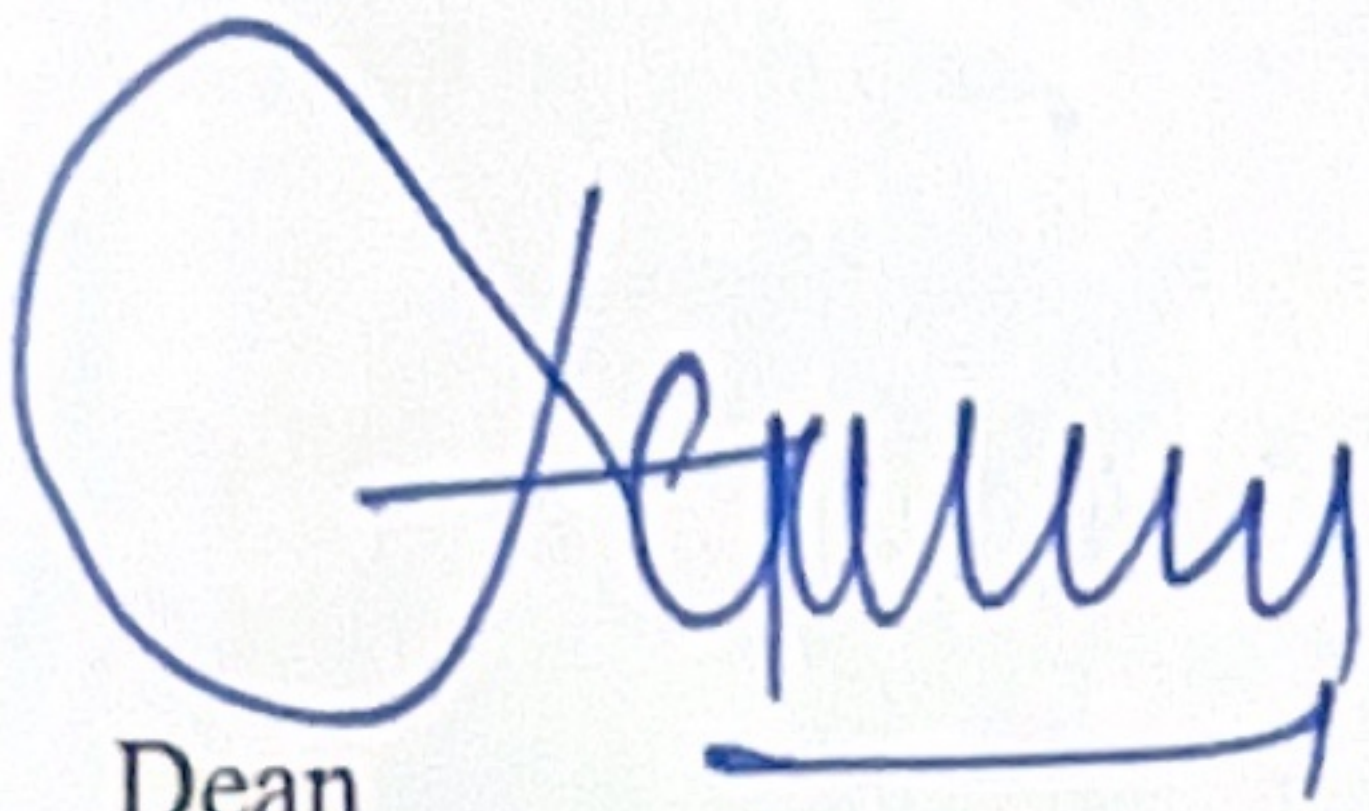
Department of Food Technology

ITM University, Gwalior

Date:30-07-2022

CERTIFICATE (II)

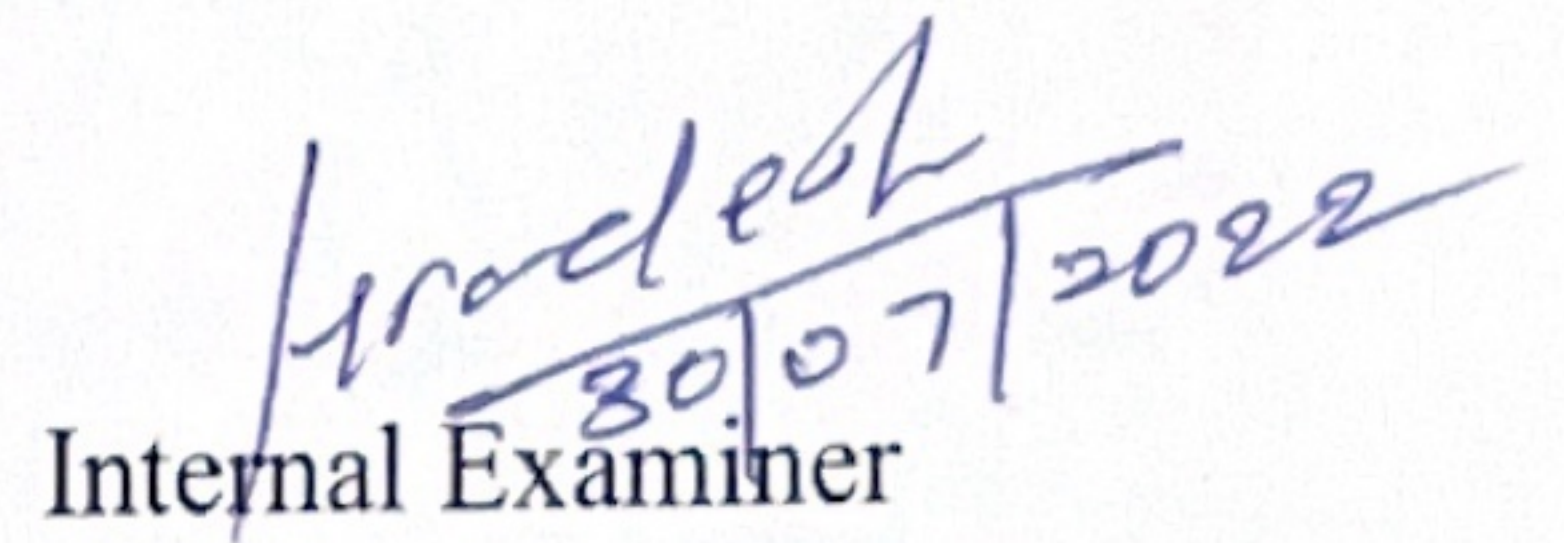
This is to certified that the thesis entitled "Utilization of jackfruit peel in bakery industry" submitted by **Miss Hijam Sunjeeta Chanu** to the School of Sciences, ITM University Gwalior in partial fulfilment of the requirement for the degree of Master of Science (M.Sc.) in the discipline of Food Technology has been successfully defended in presence of Advisory Committee after an oral examination of the student in collaboration with an internal examiner.



Dean

School of Sciences

ITM University Gwalior



Internal Examiner

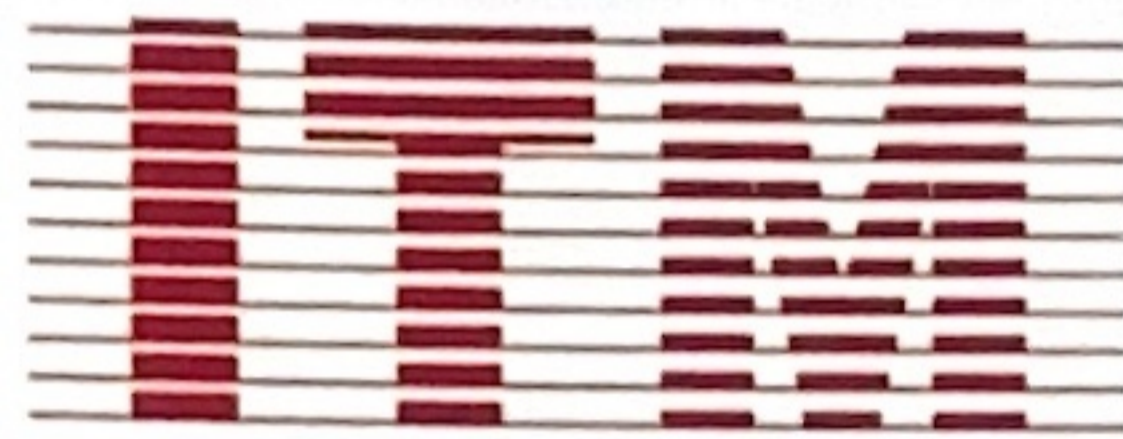
“EXTRACTION AND CHARACTERIZATION OF BSG FROM DIFFERENT GRAINS AND ITS UTILIZATION”

*Submitted in partial fulfillment for the award of the degree of
Thesis*

MASTER OF SCIENCE

in

Food Technology



UNIVERSITY

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“CELEBRATING DREAMS”

Submitted by

**SAKSHI SHRIVASTAVA
(MSFN1FT20001)**

Under the guidance of

Dr. MAMTA THAKUR

Assistant Professor


Department of Food Technology

School of Sciences

ITM UNIVERSITY, GWALIOR- 474026

MP, INDIA

2022


Prof. (Dr.) Yogesh C Goswami
Dean
School of Science ITM University
Gwalior (M.P.)-INDIA-474001


Dr. Omveer Singh
REGISTRAR
ITM University
Gwalior (M.P.)

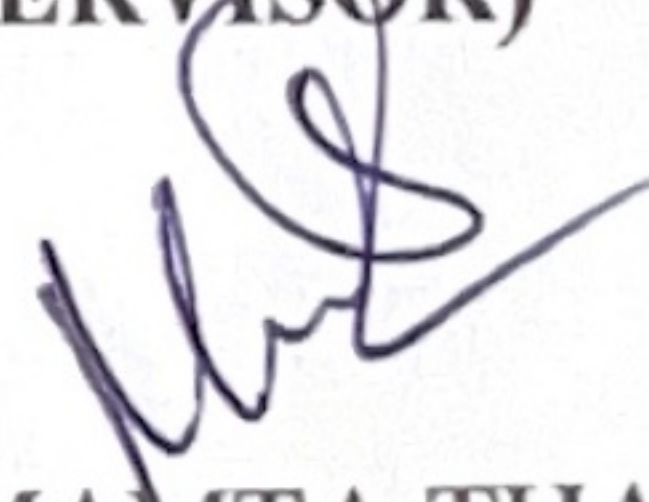
CERTIFICATE (I)

This is to certify that the work titled "Extraction and characterization of BSG from different grains and its utilization" submitted by Sakshi Shrivastava, Roll No-MSFN1FT20001 in partial fulfillment for the award of the degree of M.Sc. (Food Technology), ITM University, Gwalior has been carried out under my supervision.

To the best of my knowledge and belief, the dissertation

- I. Is an original piece of work by the Candidate herself.
- II. Has duly been completed.
- III. Is up to the standard both in respect of contents and language.
- IV. Fulfills the requirement of the ordinance relating to M.Sc. Degree of the University.
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(SUPERVISOR)

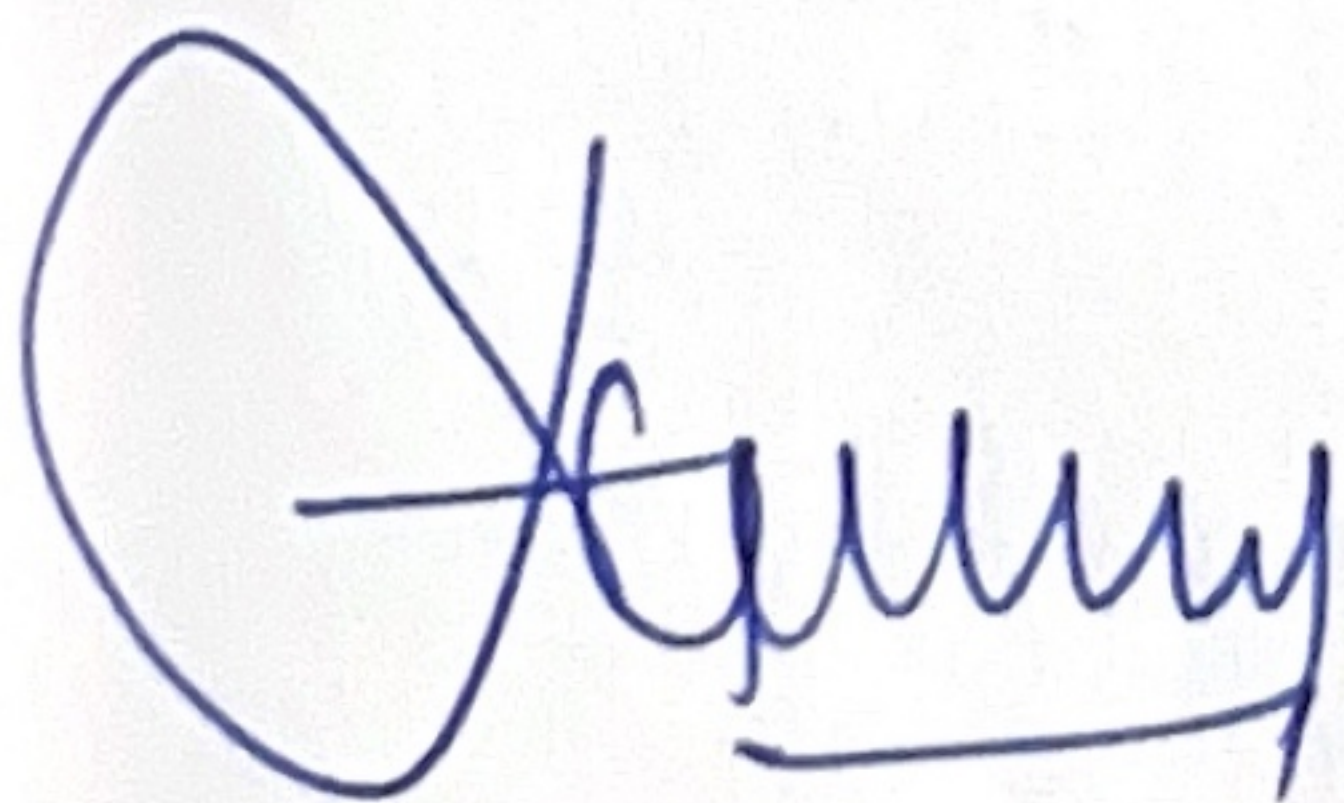


Dr. MAMTA THAKUR

Assistant Professor

Department of Food Technology


ITM University, Gwalior



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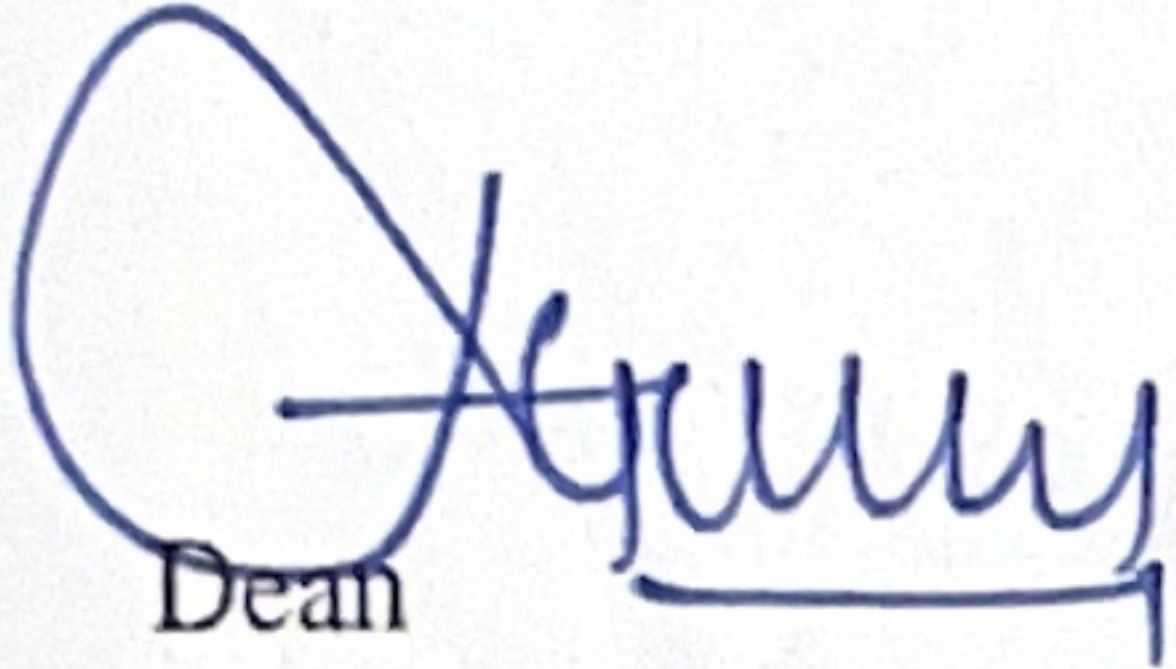
Date:



Dr. Omveer Singh
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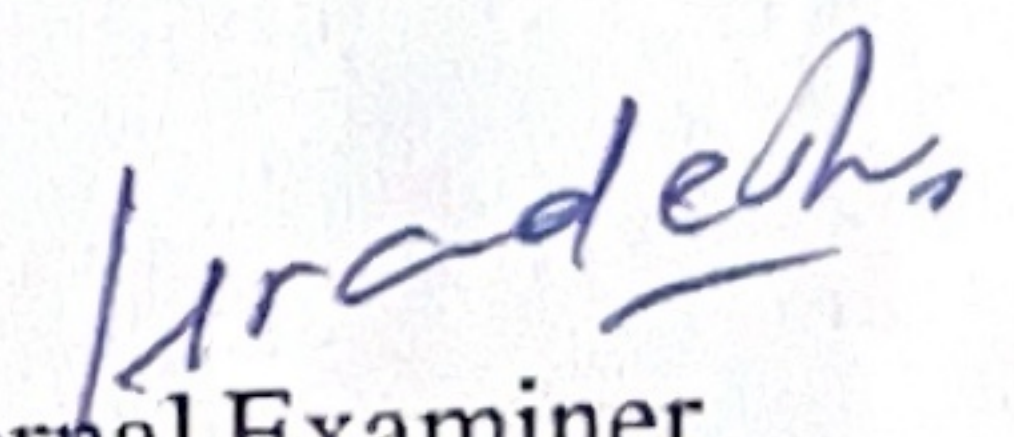
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Dean

School of Sciences

ITM University Gwalior



Internal Examiner



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