

SCHOOL OF SCIENCE
Department of Physical Science
(PCM/CS)

CRITERIA 1

SUB CRITERIA 1.3.3

**Percentage of students undertaking research
projects**

Academic Year

2019-2020


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SCHOOL OF SCIENCE
Department of Physical science
(PCM/CS)

Total Number of Research Projects in UG

Research Projects	Program	Total Number of students involved in research projects
	B. Sc (PCM/CS)	08

The students undertake minor and major projects for increasing their practical knowledge and experience. Students are encouraged to do their research in the Research Institutes and laboratory to encourage the research insight in them.


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Index

S.No.	Component	Page no.
1	Scheme	4-5
2	syllabus	6-8
3	Details of UG Internship project with Cover Page of thesis with Certificate	9-20


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STUDY AND EVALUATION SCHEME (2019-2020)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme: BSc_PCM(BSc_PCM) Semester: 6th

S.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credits
			Theory			Practical			Total Marks	L	T	P	
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva					
1	BSCH0609[T]	Inorganic Chemistry - III	40	30	30	0	0	0	100	2	1	0	3
2	BSFC0609[T]	English Language - III	40	30	30	0	0	0	100	3	1	0	4
3	BSMA0609[T]	Linear Algebra & Numerical Analysis	40	30	30	0	0	0	100	4	1	0	5
4	BSPH0606[T]	Solid State Physics & Devices	40	30	30	0	0	0	100	3	1	0	4
5	BSCH0609[P]	Inorganic Chemistry - III	0	0	0	40	30	30	100	0	0	1	1
6	BSPH0606[P]	Solid State Physics & Devices	0	0	0	40	30	30	100	0	0	1	1
7	BSPR0602[P]	Major Project	0	0	0	40	30	30	100	0	0	6	6
Total Credits												24	


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STUDY AND EVALUATION SCHEME (2019-2020)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme: BSc_ComputerScience(BSc_ComputerScience) Semester: 6th

S.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credits
			Theory			Practical			Total Marks	L	T	P	
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva					
1	BSCS0608[T]	Software Project Management	40	30	30	0	0	0	100	3	1	0	4
2	BSFC0609[T]	English Language - III	40	30	30	0	0	0	100	3	1	0	4
3	BSMA0609[T]	Linear Algebra & Numerical Analysis	40	30	30	0	0	0	100	4	1	0	5
4	BSPH0606[T]	Solid State Physics & Devices	40	30	30	0	0	0	100	3	1	0	4
5	BSCS0608[P]	Software Project Management	0	0	0	40	30	30	100	0	0	1	1
6	BSPH0606[P]	Solid State Physics & Devices	0	0	0	40	30	30	100	0	0	1	1
7	BSPR0602[P]	Major Project	0	0	0	40	30	30	100	0	0	6	6
Total Credits													25

*Newly Added Courses

Dr. Kothari
Dean
School of Science ITM University
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Title of the Course	Major Project
Course Code	BSPR0602

Part A

Year	3rd	Semester	6th	Credits	L	T	P	C	
					0	0	2	2	
Course Type	Lab only								
Course Category	Projects and Internship								
Pre-Requisite/s				Co-Requisite/s					
Course Outcomes & Bloom's Level	CO1- dissertation, works as skills development in students(BL3-Apply) CO2- increases their mental ability(BL4-Analyze) CO3- express their opinion and thoughts.(BL3-Apply) CO4- enhancing writing skills and knowledge.(BL3-Apply)								
Course Elements	Skill Development ✓ Entrepreneurship ✗ Employability ✓ Professional Ethics ✓ Gender ✗ Human Values ✗ Environment ✗		SDG (Goals)	SDG4(Quality education)					

Part B

Modules	Contents	Pedagogy	Hours
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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
100	0	60	0	40	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	1	2	3	-	-	-	-	-	1	-	-	1	-	-	-
CO2	1	2	3	2	1	-	-	-	-	-	-	-	-	-	-
CO3	-	3	2	2	1	-	-	-	-	-	-	-	-	-	-
CO4	2	2	2	1	1	-	-	-	-	1	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


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Details of UG Research projects

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

Name of the Course and Branch: B.Sc PCM Session: 2019– 2020

Total No. of Students enrolled: 02

S.No	Specialization	Name of Student	Roll no	Titke of Project	Duration	Name of Guide
1	Chemistry	Khushboo Singh	BSMN1SC17004	Urea formaldehyde nanocomposites and its special contribution in field of chemistry	4 months	Dr Ranjana Goswami
2	Chemistry	Laxman Singh Yadav	BSMN1SC17005	Polymer Properties and its wide applications	4 months	Dr Ranjana Goswami


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 Gwalior (M.P.)

**Urea formaldehyde nanocomposites and its special
contribution in field of chemistry**



Submitted As Project work

By

Khushboo Singh

(BSMN1SC17004)

Under the supervision of

Dr. Ranjana Goswami

Asst Prof in Chemistry

Department of Chemistry

School of Sciences ITM UNIVERSITY GWALIOR


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

Polymer Properties and its wide applications



Submitted As Project work

By

Laxman Singh Yadav

(BSMN1SC17005)

Under the supervision of

Dr. Ranjana Goswami

Asst Prof in Chemistry

Department of Chemistry

School of Sciences ITM UNIVERSITY GWALIOR


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

Details of UG Research projects

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

Name of the Course and Branch: B.Sc PCM Session: 2019– 2020

Total No. of Students enrolled: 02

S. No	Specialization	Name of the Student	Title of the project	Duration	Guide
1	Physics	Hemant Singh Jhala(BSCN1CS17002) Shailendra Singh(BSCN1CS17005)	Transistor as an Amplifier	4 months	Dr. Uday Gahlaut


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


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Project on Transistor as an Amplifier

Major Project in Physics

Submitted in partial fulfillment for the award of the degree of

BSc(PCM)

ITM
UNIVERSITY

CELEBRATING DREAMS

Submitted by

SHAILENDRA SINGH BHADOURIYA

BSCN1CS17005

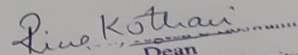
Under The Supervision

Dr UPS Gahlaut

Assistant Professor in Physics

School of Sciences




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

Department of Physics

ITM, University Gwalior (M.P.)

2020



Details of UG Research projects

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

Name of the Course and Branch: B.Sc PCM Session: 2019– 2020

Total No. of Students enrolled: 04

S. No	Specialization	Name of the Student	Roll NO.	Title of the project	Duration	Name of Guide
1.	Mathematics	Rajat Kumar Deepanjali Mishra Meghna Bhatnagar Nitin Rajput	BSMN1SC17009 BSCN1CS17001 BSMN1SC17006 BSCN1CS17003	SUDUKO transform, Solution of Differential equation	4 Months	Dr.Dinesh Singh Tomar Dr.HemaPurushwani


 Dean
 School of Science ITM University
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MAPPING OF ANNUAL SUN PATH FOR TRACING OF ANALEMMA



A Project Report

Submitted to the School of Science
ITM University, Gwalior (M.P.)

In

Fulfillment of the requirement for the degree of
Bachelor of Science

By

Mayank Mishra 

Under the supervision of

Dr. Hema Purushwani 

School of Science, ITM University, Gwalior

2021


Dean
School of Science, ITM University
Gwalior (M.P.)

SUMUDU TRANSFORMATION
A MAJOR PROJECT
Submitted in partial fulfillment for the award of the degree of

BACHELOR OF SCIENCE
In
PCM



BY *Rajat*
RAJAT KUMAR
BSMN1SC17009
B.Sc. (PCM) 2017-2020
(ITMSS17S0014)

Under the guidance of *Dinesh*
Dr. Dinesh Singh Tomar
Asst. Prof. (Mathematics)
Department of SOS
School of Sciences

Lies Kothari
Dean
School of Science ITM University
Gwalior (M.P.) INDIA - 472001

ITM UNIVERSITY GWALIOR, (M.P.), INDIA

SOLUTION OF DIFFERENTIAL EQUATIONS

A MAJOR PROJECT

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF SCIENCE

In
CS



UNIVERSITY

GWALIOR • MP • INDIA

"CELEBRATING DREAMS"

BY

DEEPANJALI MISHRA
BSMNICS17001
B.Sc. (CS) 2017-2020
(ITMSS17S0001)

Deepali
Suresh Kothari
Dean
School of Science ITM University
Gwalior (M.P.) INDIA

Under the guidance of
Dinesh Singh Tomar
Dr. Dinesh Singh Tomar
Asst. Prof. (Mathematics)
Department of SOS
School of Sciences

ITM UNIVERSITY GWALIOR, (M.P.), INDIA

Stability Analysis of Student Teacher (ST) Model



A Major Project File

(In Mathematics)

Submitted to the Faculty of Science

ITM University, Gwalior (M.P)

In Fulfilment of the requirement for the degree of
BSC (PCM/CS)

By

Bivesh Chandra Lodhi

Under the supervision of

Dr. Hema Purushwani

Department of Mathematics,

ITM University, Gwalior (M.P)

2021


Dean
School of Science ITM Univ
Gwalior (M.P)-INDIA

SOLUTION OF DIFFERENTIAL EQUATIONS

A MAJOR PROJECT

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF SCIENCE

In
PCM



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"CELEBRATING DREAMS"

BY

MEGHNA BHATNAGAR

BSMNISC17006

B.Sc. (PCM) 2017-2020

(ITMSS17S0011)

Under the guidance of

Dr. Dinesh Singh Tomar

Asst. Prof. (Mathematics)

Department of SOS

School of Sciences

ITM UNIVERSITY GWALIOR, (M.P.), INDIA

Meghna

Dinesh Kothari

Dean

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

SOLUTION OF DIFFERENTIAL EQUATIONS

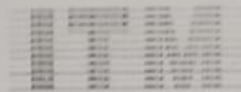
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Submitted in partial fulfillment for the award of the degree of

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In

CS



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"CELEBRATING DREAMS"

BY

NITIN RAJPUY

BSMN1CS17063

B.Sc. (CS) 2017-2020

(ITMSS17S0003)

Under the guidance of

Dr. Dinesh Singh Tomar

Asst. Prof. (Mathematics)

Department of SOS

School of Sciences

ITM UNIVERSITY GWALIOR, (M.P.), INDIA

Suresh Kothari

Dean

School of Science ITM University
Gwalior (M.P.)-INDIA-471001