



"CELEBRATING DREAMS"

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

CRITERIA 1

SUB CRITERIA 1.3.3

**Percentage of students undertaking research
projects**

Academic Year

2021-2022

A blue ink signature of the Registrar, consisting of a stylized 'S' and 'R' with a flourish.

REGISTRAR
ITM UNIVERSITY
Gwalior (M.P)



SCHOOL OF SCIENCE
Department Of Physical Sciences

Total Number of Research Projects in UG

Research Projects	Program	Total Number of students involved in research projects
	B.Sc. PCM/CS	02

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 laboratories to encourage the research insight in them.


REGISTRAR
ITM UNIVERSITY
Gwalior (M.P.)



Index

S.No.	Component	Page no.
2	Scheme	4-5
3	syllabus	6-8
	Details of UG Research project	9
	Cover Page of thesis with Certific	10-14



REGISTRAR
ITM UNIVERSITY
Gwalior (M.P)



School of Sciences

NAME OF COURSE: B. Sc. PCM

SESSION 2022 ONWARDS

SEMESTER: VI

SUBJECT WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS

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	BSCH0609[T]	Chemistry of Elements - III	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	BSMA0611[T]	Numerical Methods and Computer Simulation	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]	Chemistry of Elements - 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												25	


REGISTRAR
 ITM UNIVERSITY
 Gwalior (M.P.)



School of Sciences

NAME OF COURSE: B. SC. CS

SESSION 2022 ONWARDS

SEMESTER: VI

SUBJECT WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS

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	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	BSMA0611[T]	Numerical Methods and Computer Simulations	40	30	30	0	0	0	100	5	0	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	30	40	30	100	0	0	6	6
Total Credits												25	


REGISTRAR
 ITM UNIVERSITY
 Gwalior (M.P.)

13/05/2024,

<https://prabandh.itmuni.ac.in/hod/>



Syllabus()

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
---------	----------	----------	-------

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

REGISTRAR
ITM UNIVERSITY
Gwalior (M.P)



Details of UG Research projects

Name of the School: School Science, ITM University,
Gwalior. Name of the Course and Branch: B.Sc. PCM/CS
Session: 2021– 2022
Total No. of Students enrolled: 02
Duration: 06 months

Roll No.	Name of Student	Name of Institute	Topic	Supervisor
BSMN1SC19006	Shivani Khatik	ITM University	Stability Analysis of Basic epidemic models	Dr. Hema Purushwani
BSCN1CS19019	Raghvendra Sharma	ITM University	Transmission with the help of LI Fi Technology	Dr. Y C Goswami

REGISTRAR
 ITM UNIVERSITY
 Gwalior (M.P)



Stability Analysis of Basic Epidemic Models

A Minor Project File
(In Mathematics)

Submitted to the Faculty of Mathematics
ITM University, Gwalior (M.P)

In Fulfillment of the requirement for the degree of
BSC (PCM)

By
Shivani Khatik (BSMN1SC19006)

Under the supervision of

Dr. Hema Purushwani

Department of Mathematics,
ITM University, Gwalior (M.P)

2022

Ganesh

Shivani
27/05/22

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

5/13/24,

<https://prabandh.itmuniversity.ac.in/hod>

6

<https://prabandh.itmuniversity.ac.in/hod/syllabusreport/>

2/2

Project Data Transmission with the help of
LI-FI (Light-Fidelity) Technology

Major Project in Physics

Submitted in partial fulfillment for the award of the degree of

BSc(PCM)



Sumbitted by

Ragvendra Sharma (BSCN1CS19019)

Under The Supervision
Dr Y C Goswami
Professor in Physics
Dean School of Sciences

A handwritten signature in blue ink, appearing to read 'Yogesh C Goswami', is written over a faint circular stamp.

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

Department of Physics
ITM, University Gwalior (M.P.)
2022