

Sem	Course type	Course code	Course title	Credits	Total hrs /week	Total teaching periods	Total marks	
							CA	UA
VI	Discipline specific Course (DSC)	PHY 601	Quantum mechanics	3	3	45	40	60
		PHY602	Material Science	3	3	45	40	60
		PHY 603	Nuclear Physics	3	3	45	30	60
		PHY 604	Modern Physics	3	3	45	40	60
	Skill Enhance ment course (SEC)	PHY 605	Basic Instrumentation Skills	3	3	45	40	60
	DSE Elective course (Any one)	PHY 606 (A) PHY 606 (B) PHY 606 (C) PHY 606 (D) PHY 606 (E)	Technical Electronics- I or Refrigeration and Air conditioning- II or Vacuum Technology-II or Microprocessor-I or Programming in C++ II	3	3	45	40	60
	DSC CORE Practicals	PHY 607	Physics Practical I	2	4 (per batch)	60	40	60
		PHY 608	Physics Practical II	2	4 (per batch)	60	40	60
		PHY 609	Physics Practical III or Project	2	4 (per batch)	60	40	60
	Non credit audit course (Any one)	AC 601(A)	Soft skill	No credit	2	30	10	0
		AC 601(B)	Yoga					
		AC 601(C)	Practicing Cleanliness					
			Total credit	24				

Note: The industrial/study tour is compulsory for students of T. Y. B. Sc. (Physics).

Semester VI: (LAB): Physics paper VIII
PHY 609: Project II
(Credits: 02): (60 L, 100M (40 Internal + 60 External))

ASSESSMENT OF PROJECT- SECOND TERM:

Student should submit a Final Project Report on the work done by him/her during the First and Second Phase of the Project i.e. on the topics:

1. Experimental work. (remaining further work in continuation with the work in the first term)
2. Characterize the samples, if any.
3. Discussion of the results.
4. Conclusions.

Instructions:

1. The topic of project of the first term must be continued in the second term.
2. The project report of first term should be maintained and should be produced to examiner of second term.
3. The student will have to give a seminar on the project topic in the practical exam.
4. The student must perform his project presentation by PPT on LCD projector.

A
Project Report
On

“Synthesis and Characterizations of TiO_2 -Graphene
Oxide thin film by Sol-gel Dip-Coating Method ”

For the Partial Fulfilment of Degree of

“Bachelor of Science (Physics)”

In the year 2022-2023

Submitted by
Miss Swapnaja K. Chaudhari
(T. Y. B. Sc. Semester-II)

Under the Guidance of
Suhas R. Patil

Submitted to
Department of Physics
Dr. Annasaheb G. D. Bendale Mahila Mahavidyalaya,
Jalgaon.

Affiliated to Kavayitri Bahinabai Chaudhari North Maharashtra
University, Jalgaon

Leva Educational Union's

DR. ANNASAHEB G.D. BENDALE MAHILA MAHAVIDYALAYA,

JALGAON

DEPARTMENT OF PHYSICS

"CERTIFICATE"

This is to certify that Miss. Swapnaja K. Chaudhari have satisfactory completed the project work on "Synthesis and Characterizations of TiO_2 -Graphene Oxide thin film by Sol-gel Dip-coating Method " for the fulfilment of degree of "**Bachelor of Science (Physics)**" during the academic year 2022-2023.



Suhas. R. Patil

(Project Guide)



Dr. S. J. Baviskar

(Head of Department)



(Internal Examiner)



(External Examiner)

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Miss. Swapnaja Chaudhari